

AA0052397

UR 0482

Soviet Inventions Illustrated, Section III Mechanical and General, Derwent,

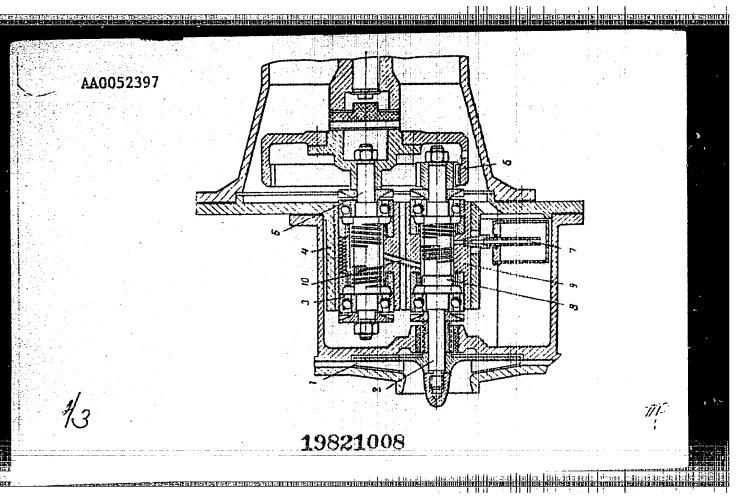
241841 GREASER FOR BEARINGS on parallel low-speed 6 and high-speed 2 shafts driving ventilator 1. Each shaft has two opposite threads to feed lubricant to the bearings, and the greasing system differs in that shaft 2 has a sealing collar 8 which forms a pressure chamber with housing 9 and the left-hand section of the thread connecting to the space between the threads on shaft 6 via channel 10. Part of the lubricant in this pressure chamber goes to the bearing on shaft 2 nearest the sealing collar, and the remainder goes to the bearings of low speed shaft 6. 27.3.68. as 1227925/25-8, PANFILOV, E.A. et al. Machine Building Standardisation Res. Inst. (29.8.69) Bul. 14/18.4.69. Class 47e, Int. Cl.

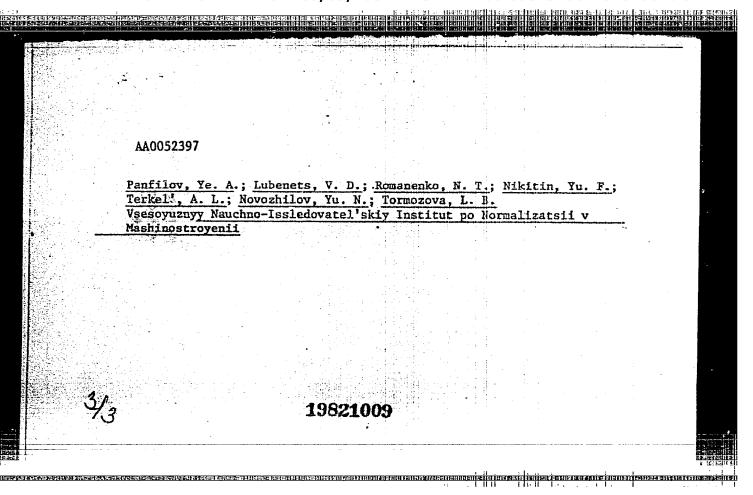
//3

F 16n.

19821007

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3





UDC 621.039.524.2.034.3

करमा स्थापन का का का का का मार्चित है। इस समा का का स्थापन का मार्चित हो। वास का स्थापन का का मार्चित है। इस स इस समा का मार्चित है। इस समा का का समा का समा समा समा समा समा समा समा समा समा का समा का का समा समा समा समा समा

USSR

LOMAKIN, S. S., MORDOVSKAYA, T. S., PANFILOY G. G., PETROV, V. I., SAMOYLOV, P. S., and KIRIYZOV, V. V.

"Measuring the Effective Neutron Temperature in Uranium-Graphite Reactors"

Moscow, Atomnaya Energiya, Vol 29, No 1, Jul 70, pp 36-37

Translation: A brief description is given for the technique used in measuring the effective neutron temperature in uraniumgraphite reactors. The effective neutron temperature was measured by the integral method in the F-1 graphite research reactor using natural uranium and in the Pervaya (first) Atomic Electric Power Plant reactor in Obninsk. Deramic activation detectors made of lutecium and manganese in the form of tablets 8 mm in diameter were used. The Westcott formalism modified for the case of detectors of finite thickness was used to process the results. The detectors were calibrated in a graphite prism with a thermal neutron spectrum. The activity of the detectors was measured on a scintillation \( \gamma \) counter with a MaI (II) crystal and a PP-9 scaler which has an integral discriminator by means of which the corresponding thersholds were established. The measured saturation activities of the detectors, the cadmium 1/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

CONTROL OF THE PROPERTY OF THE

USSR

LOMAKIN, S. S., et al., Atomnaya Energoya, Vol 29, No 1, Jul 70, pp 36-37

ratio, and the calibration factor were used to determine the neutron temperature. The measurements in the F-1 reactor were taken in the center of the core. The neutron temperature Theutron averaged with respect to four measurements with different pairs of lutecium-manganeses detectors was  $348 \pm 10^{\circ}\mathrm{K}$ .

The measurements at the Pervaya Atomic Electric Power Plant were taken in an empty process tube;  $T_{\rm heatron}$  was 393  $\pm$  12°K. On the basis of the experimental data obtained and the published experimental data on  $T_{\rm heatron}$  for uranium-graphite systems, the empirical relation between the heatron temperature  $T_{\rm heatron}$  and the temperature of the medium  $T_{\rm D}$  was refined:

 $T_{\text{neutron}} = T_0(1 + \Lambda \frac{\Sigma_a(kT_0)}{\Sigma_a}),$ 

where A = 16.5. The calculated value of A according to R. Coveque for

uranium-graphite systems is 11. 2/2

NSSR

UDC 619:576.851.55:576.809.33

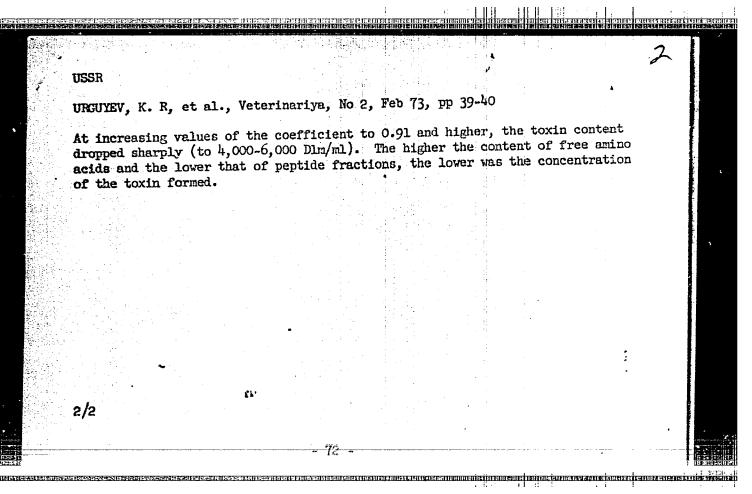
URGUYEV, K. R., KIRILLOV, L. V., LYUBICH, F. D., LAVCHENKO, Ye. G., PANFILOV, I.D. and PIESKIKH, A. S.

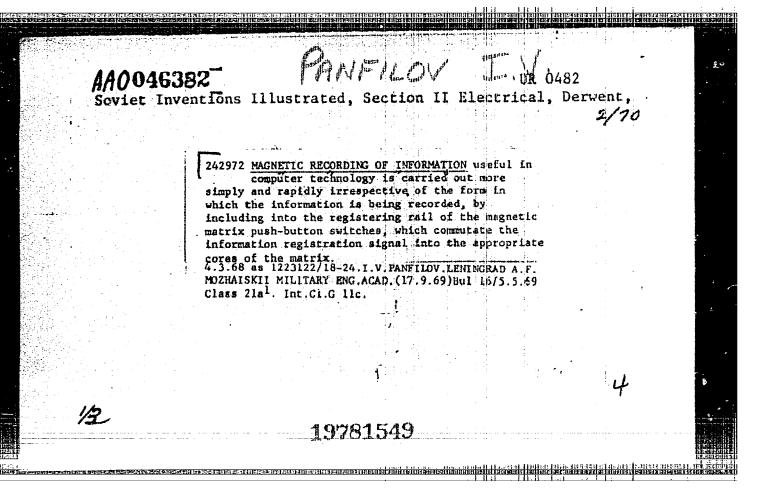
"Toxin Formation by Cl. perfringens in a Casein-Pancreatic Nutrient Medium"

Moscow, Veterinariya, No 2, Feb 73, pp 39-40

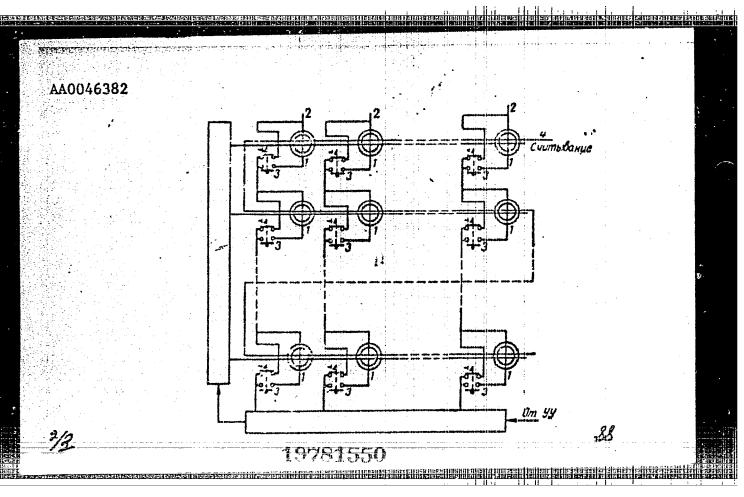
Abstract: A study was made of the cultivation on a casein-pancreatic medium of Cl. perfringens, type D, that causes infectious entertoxemia of sheep and is used as a component part in the preparation of a concentrated polyvalent vaccine used against braxy, infectious enterotoxemia, and malignant dropsy of sheep as well as dysentery of lambs. On enzymatic hydrolysis of the casein at 42°C for 20-30 min, the medium, which contained 25% yeast water and 1% millet, had a high content of all peptide fractions, which form the principal source of N in toxin synthesis. The accumulation of epsilon-toxin was 4-6 times greater than in other media (e.g., Hottinger's medium). The formation of toxin was related to the content in the medium of albumoses with a high and medium was related to the content in the amine coefficient of the medium (the ratio of non-protein N to the total amine N). The highest toxigenicity (20,000-24,000 Dlm/ml) was obtained at an amine coefficient in the 0.72-0.75 range.

1/2





"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3



		Bac rilliasida (ii)					
	110016000						
	AA0046382	•				•	= = = = = = = = = = = = = = = = = = = =
	AUTHOR: Panfi	lov, I. V.					
		•					
	Leningradskaya	Voyennaya	Inzhenernaya	Krasnoznamenn	ya Akademiya	im. A. F.	
	Mozhayskogo		(현원 15.00) (영화 15.00) - 1.40 (15.00) 전체 (영화 - 1.50 (15.00)				1
							3
							,
						. •	
							•
		•		<del></del>	• •	•	
			•		•		
		· · · · · · · · · · · · · · · · · · ·	# <b>0</b> 240	er er er			
5.5°	•		1978:	reer			
3/3							G.

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

1/2 017 UNCLASSIFIED PROCESSING DATE--27NOV70 TITLE--KINETICS OF THE SETTLING OF METALLIC INCLUSIONS IN SLAGS -U-

AUTHOR-(04)-PANFILOV, M.I., BARYSHNIKOV, V.G., DERYABIN, A.A., POPEL, S.I.

COUNTRY OF INFO--USSR

SOURCE--IZVEST. AKAD. NAUK SSSR, METALLY, MAR.-APR. 1970, (2), 106-115

DATE PUBLISHED ---- 70

SUBJECT AREAS -- MATERIALS, PHYSICS

TOPIC TAGS--REACTION KINETICS, DESULFURIZATION, STEEL, METAL INCLUSION

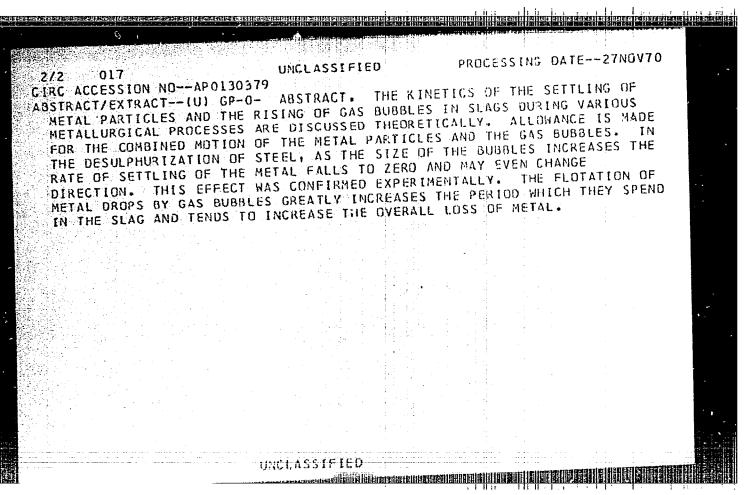
CONTROL MARKING--NG RESTRICTIONS

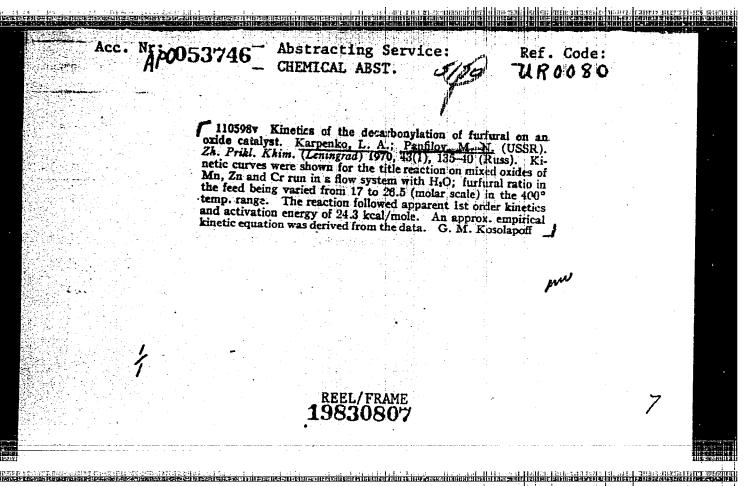
DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/PRAME--3003/1446

STEP NO--UR/0370/70/000/002/0106/0115

GIPC-ACCESSION-NO--APO130379...

UNCLASSIFIED





1/2 030 UNCLASSIFIED PROCESSING DATE--02UCT70
TITLE--MERIDIONAL REINFORCEMENT OF THE SCLERA WITH FEMORAL FASCIA LATA IN
PROGRESSIVE MYOPIA -UAUTHOR-(02)-YEROSHEVSKIY, T.I., PANFILOV, N.I.

COUNTRY OF INFO-USSR

SOURCE--VESTNIK OFTAL MOLOGII, 1970, NR 2, PP 19-23

DATE PUBLISHED-----70

SUBJECT AREAS -- BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--EYE DISEASE, MUSCLE, TISSUE TRANSPLANT, VISUAL ACUITY

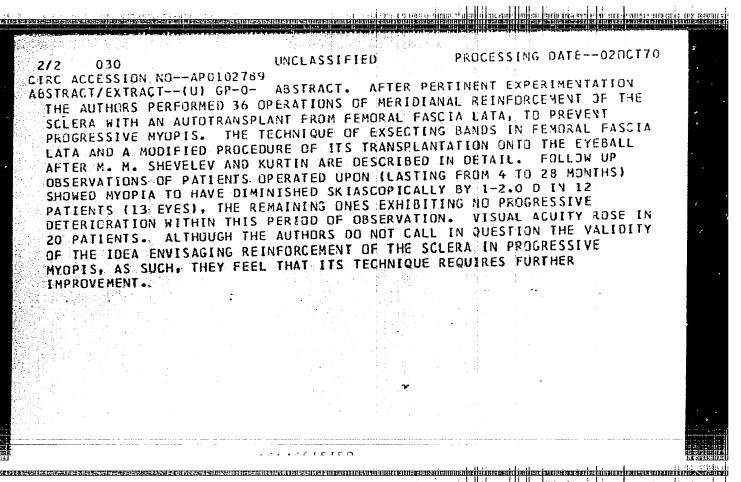
CONTROL MARKING--NO RESTRICTIONS

DCCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1986/0827

STEP NO---UR/0357/70/000/002/0019/0023

CIRC ACCESSION NO--APO102789

UNCLASSIFIED



USSR

PANFILOV, O. P., Khabarovsk State Institute of Physical Culture,

"The Relationship Between the Sensitivity of the Vestibular and Motor Analysors and the Stability of Upright Standing in Children Aged 8-17 Years"

Moscow, Teoriya i Praktika Fizicheskoy Kul'tury, Vol 34, No 1, Jan 71, pp 53-56

Abstract: The relationship between the sensitivity of the vestibular analysor, the stability of standing in an upright position, autonomic reflexes, and the duration of nystagmus following rotation were studied in subjects 8-17 yrs old of both sexes. Tests were also carried out on adult male athletes. In children not engaged in regular athletic training, the increase children not engaged in regular athletic training, the increase in the stability of upright standing upon vestibular stimulation that developed with increasing age was accompanied by an interease in the threshold of excitation of the vestibular analysor, while in children so engaged the increase in stability took

1/3

**LESR** 

PANFILOV, O. P., Teoriya i Praktika Fizicheskoy Kul'tury, Vol 34, No 1, Jan 71, pp 53-56

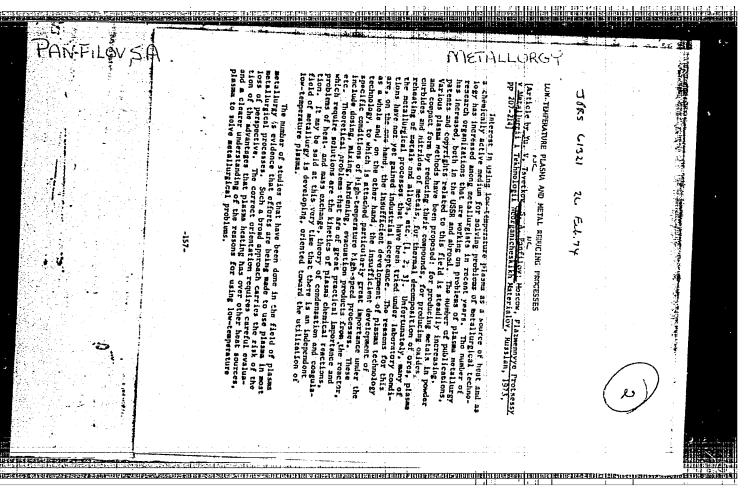
place against the background of a low excitation threshold of the vestibular analysor. Simultaneous excitation of the vestibular and motor analysors in muscular effort accompanied by stimulation of the vestibular analysor increased the maximum physical strength and static endurance in muscular effort, lowered the level of vestibulosomatic reactions, and increased the sensitivity of the vestibular analysor, thus facilitating the performance of the task requiring muscular effort. increasing age the duration of nystagmus increased in children not undergoing athletic training. This was a manifestation of increased reactivity of the central nervous system. On the other hand, systematic physical exercise (athletic training) lowered this reactivity, as indicated by a tendency toward a decrease in the duration of nystagmus. The results indicated that proprioceptive stimuli inhibit simultaneous vestibular reactions and are reinforced by the latter. The mutual effects 2/3

USSR

PANFILOV, P. P., Teoriya i Praktika Fizicheskoy Kul'tury, Vol 34, No 1, Jan 71, pp 53-56

which the motor and vestibular analysor exert on each other explain why athletes who exhibit a low degree of vestibular stability accompanied by a high sensitivity of the latter perform well tasks under conditions that involve multiple accelerations.

3/3



SALESCONEC LOVE TO A SECURIOR DE LA CONTRACTOR DE LA

USSR

BELOUSOVA, I. M., PANFILOV, V. G.

"Experimental Study of the Pulse Operation of a Sectional Laser Consisting of Heterogeneous Elements"

Minsk, Zhurnal Prikladnoy Spektroskopii, June 1970, pp 1012-1018

Abstract: A study was made of the operation of a sectional laser with a helium-neon master oscillator operating in a pulse mode on a wave length of  $0.0621\mu$  and a neodymium glass tandem amplifier. Results of a study of the pulse oscillation of a master helium-neon laser with competing transitions with a common upper level are presented.

It was shown that the oscillation of a helium-neon laser on a wave length of 0.0621  $\mu$  can be obtained with a selective resonator and specified conditions for the pulse discharge with respect to composition of the mixture and intensity of the excitation. It was demonstrated that the maximum amplification for a tandem amplifier is attained with pumping levels and delay time of the signal of the master oscillator relative to the amplifier for

1/2

ard 21. Mention design is the entire in the control of the control

USSR

BELOUSOVA, I. M., et al, Zhurnal Prikladnoy Spektroskopii, June 1970, pp 1012-1018

which the peak power output of the neodymium glass operating in the oscillation mode is a maximum. The maximum amplification was 6 db for KGSS-7 glass,  $\chi=80$  mm with pumping of 432 joules. The angular divergence of the sectional laser was 8-10 minutes of arc, corresponding closely to the angular divergence of the master oscillator.

The article includes 5 illustrations. There are 13 references.

Originally submitted for publication 7 April 1969. Revised and resubmitted 10 December 1969.

2/2

- 91 -

UNCLASSIFIED PROCESSING DATE--D2DCT70
TITLE--KINETICS OF CHLORINE DIOXIDE FORMATION AND CONSUMPTION DURING THE
THERMAL GAS PHASE DECOMPOSITION OF PERCHLORIC ACID +UAUTHOR-(02)-GRITSAN, V.I., PANIFILOV, V.N.

COUNTRY OF INFO--USSR

SOURCE--KINET. KATAL. 1970, 11(1), 235-8

DATE PUBLISHED----70

SUBJECT AREAS--CHEMISTRY

TOPIC TAGS--ELECTRON PARAMAGNETIC RESONANCE, CHEMICAL REACTION RATE, PERCHLORIC ACID, OXIDE, THERMAL DECOMPOSITION

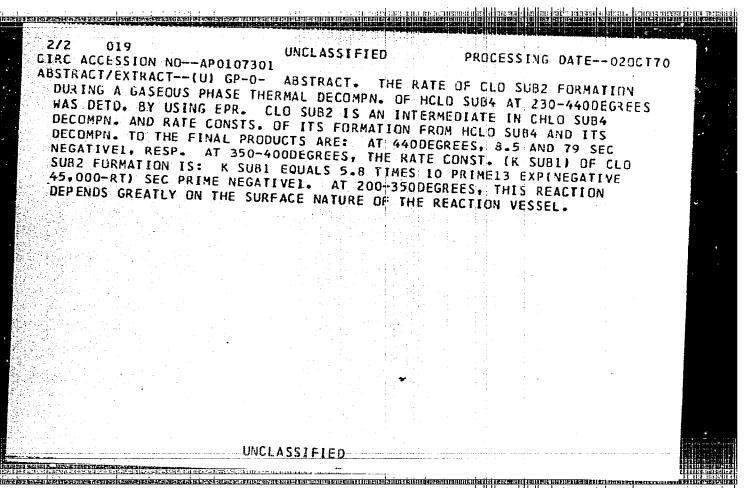
CONTROL MARKING-NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1989/0759

STEP NO--UR/0195/70/011/001/0235/0238

CIRC ACCESSION NO--APO107301

UNCLASSIFIED



UNCLASSIFIED PROCESSING DATE--04DEC70 CIRC ACCESSION NO--APO140796 ABSTRACT/EXTRACT--(U) GP-0- ABSTRACT. IN THE TYPICAL REACTION OF NUCLEOPHILIC SUBSTITUTION WITH A NO. OF AROMATIC NITRO DERIVS. I (R EQUALS NO SUB2, R PRIME! EQUALS HI, P. PRIMEZ EQUALS F, CL, BR, NO SUBZ, OME, SME, SCF SUB3, SO SUB2 ME; I IR EQUALS CL. R PRIME! EQUALS NO SUB2), AND I (R EQUALS OME, R PRIME! EQUALS NO SUB2). R PRIMEZ EQUALS NO SUB2, CF SUB3, SO SUB2 ME, SO SUB2 CF SUB3, RESP., THE FORMATION OF ANION RADICALS WAS, OBSD. (EPR). THE TRANSETHERIFICATION REACTION OF ALKYL ETHERS OF MONO AND POLYNITROPHENOLS IS ASSOCD. WITH THE FORMATION OF ANION RADICALS FROM THESE COMPOS. THAT REMAIN IN EQUIL. WITH STARTING PRODUCTS AND SIGMA COMPLEXES. SIMILARLY ANION RADICALS WERE OBSD. DURING THE REPLACEMENT OF HALDGEN OR NITRO SUBSITUENTS. UNDER THESE CONDITIONS NITRO COMPDS. I (R EQUALS OME OR CL) FAIL TO PRODUCE ANION RADICALS IN DETECTABLE CONCNS. FACILITY: INST. ORG. KHIM., NOVOSIBIRSK, USSR. UNCLASSIFIED 

USSR

UDC: 550.348:627.81

PANFILOV, V. S., Candidate of Technical Sciences

"Relationship Between the Filling of Water Reservoirs and Earthquakes"

Moscow, Gidrotekhnicheskoye Stroitel'stvo, No 5, May 73, pp 43-47

Abstract: The author reviews the literzture on the given problem and presents a new hypothesis on the manifestation of both natural and induced earthquekes. This hypothesis is based on the following: 1. Earthquakes can occur in a zone with sufficiently developed fissures, faults or other cavities ensuring water content in its free state (not capillary). If such cavities fill up with water to a depth significantly greater than that of the adjacent sections (with water in a capillary state) then hydrodynamic pressure is built up in the surrounding rocks and these are compressed. Due to this a rotential reserve of earthquake energy is set up which is accounted for by the elastic parties of compression. 2. Water penetrating to a sufficiently great depth in comparison with the surrounding sections ends up under the effect of high temperatures. This changes the direction of the geothermal flow to the surface and concentrates this energy in the region of the fault. The hypothesis requires further work with respect to consideration of individual factors and its application to diverse real schemes. 1/1

- 33 -

USSR

UDC 535.337 1

PANFILOV, V. V., SUBBOTIN, S. I., and VERESHCHAGIN, L. F., Academician of the Academy of Sciences, USSR, Institute of High-Pressure Physics, Academy of Sciences USSR

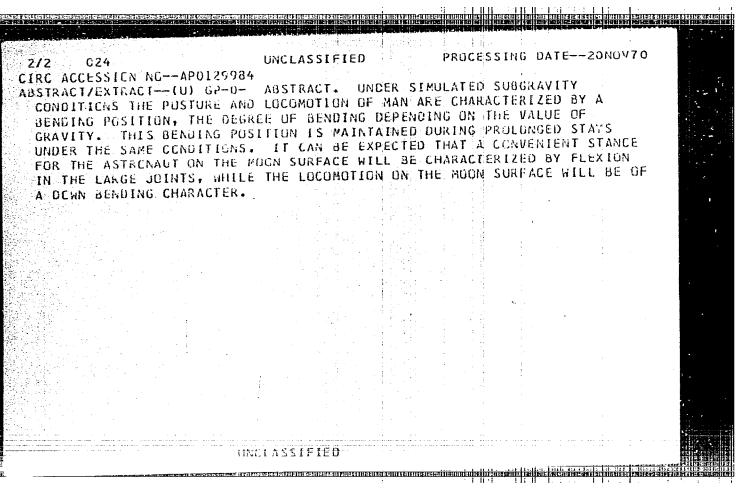
"Shifting of the Fundamental Absorption Edge of Gallium Arsenide Under the Action of Hydrostatic Pressure"

Moscow, Doklady Akademii Nauk SSSR, Vol 196, No 3, 1971, pp 559-561

Abstract: Investigation of the shift of the fundamental absorption edge of semiconductors with pressure permits determination of the change of the width of the forbidden zone with pressure, and nakes it possible to ascertain some features of the zonal structure of the substances; in particular, this investigation is useful for identification of the symmetry of the very lowest conductivity zones. Gallium arsenide GaAs was taken as the object of investigation. The present article deals with a new attempt to measure the value of the pressure coefficient for gallium arsenide in a broader range of hydrostatic pressures than has previously been done by other researchers. Two figures, 12 bibliographic entries.

1/1

PROCESSING DATE--20NOV70 UNCLASSIFIED 1/2 TITLE--CHANGES IN THE HUMAN POSTURE WHILE STANDING UNDER DECREASED GRAVITATION CENDITIONS -U-AUTHOR-(03)-30GDANOV, V.A., GURFINKEL, V.S., PANFILOV, V.YE. COUNTRY OF INFO-USSR SGURCE-BIGFIZIKA 15(1): 179-183. ILLUS. 1970 DATE PUBLISHED----70 SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES TURIC TAGS--POSTURE, GRAVITATION EFFECT, MOON CENTROL MARKING--NO RESTRICTIONS DUCUMENT CLASS--UNCLASSIFIED STEP NO--UR/0217/70/015/001/0179/0183 PRUXY REEL/FRAME--3003/0919 CIRC ACCESSION NO--APO125984 UACLASSIFILIE 



AUTHOR-(03)-BOGDANOV, V.A., GURFINKEL, V.S., PANFILOV, V.YE.

COUNTRY OF INFO--USSR

SOURCE-MOSCOW, BIOFIZIKA, NO 1, 1970, PP 179-183

DATE PUBLISHED ---- 70

SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS-GRAVITATION, HUMAN PHYSIOLOGY, POSTURE

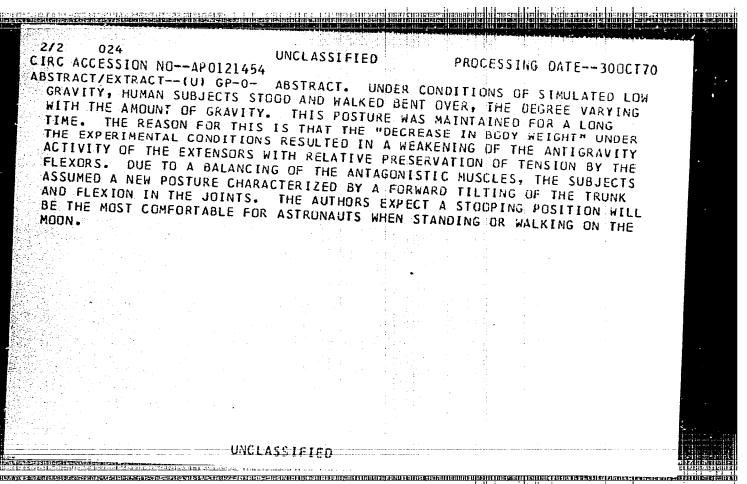
CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1998/0822

STEP NO--UR/0217/70/000/001/0179/0183

CIRC ACCESSION NO--APO121454

UNCLASSIFIED



MEDICINE

Aerospace Medicine



USSR

BOGDANOV, V. A., GURFINKEL', V. S., and PANFILOV, V. TE.

"Changes in Man's Position When Standing Under Conditions of Low Gravity"

Moscow, Biofizika, No 1, 1970, pp 179-183

Abstract: Under conditions of simulated low gravity, human subjects stood and walked bent over, the degree varying with the amount of gravity. This posture was maintained for a long time. The reason for this is that the "decrease in body weight" under the experimental conditions resulted in a weakening of the antigravity activity of the extensors with relative preservation of tension by the flexors. Due to a balancing of the antagonistic muscles, the subjects assumed a new posture characterized by a forward tilting of the trunk and flexion in the joints. The authors expect a stooping position will be the most comfortable for astronauts when standing or walking on the moon.

1/1

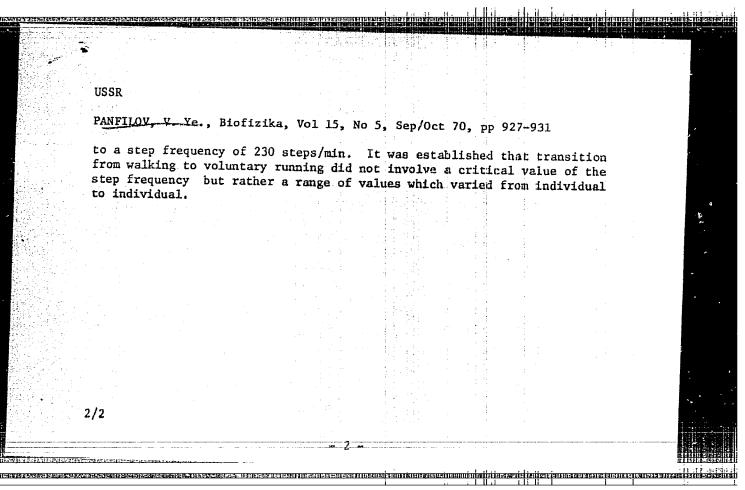
USSR

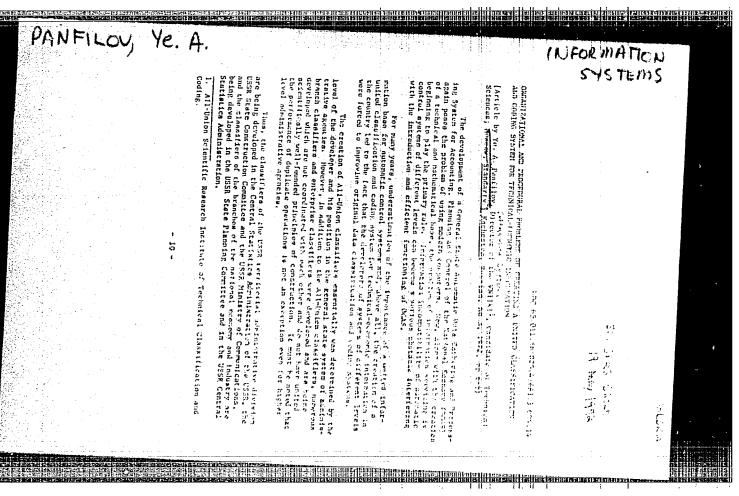
PANFILOV, V. Ye.

"Research on Biomechanical Parameters of Walking in Man. I. Time Structure of the Step"

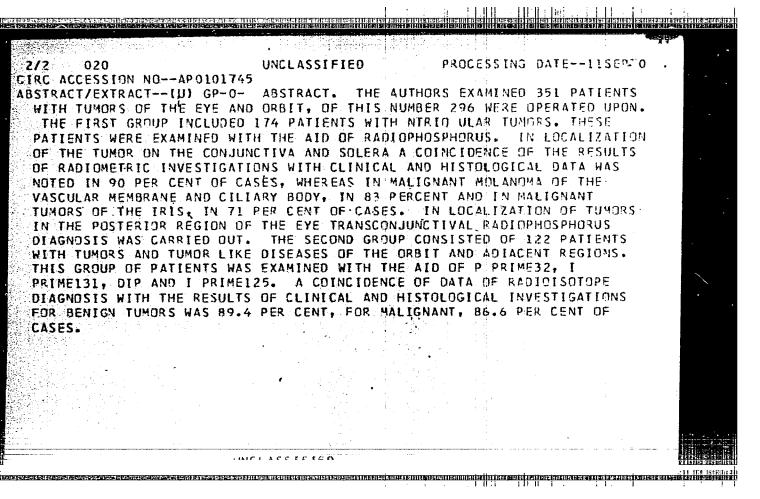
Moscow, Biofizika, Vol 15, No 5, Sep/Oct 70, pp 927-931

Abstract: With the aid of podographic transmitters built into thin rubber overshoes and suitable amplification, the following time parameters of contact of the human sole with the surface in walking were determined: length of time of a double step and duration of the bifulcrum period, fulcrum phase, and transfer phase. The presence or absence of a bifulcrum period was additionally checked by means of a dynamogram recording. Healthy subjects walked a distance of approximately 30 m at step frequencies of 40-230 single steps/min. The step frequency was regulated by giving light-sound signals to the subjects. Treatment by the method of least squares of the experimental data obtained, which referred to more than 800 double steps, indicated that the relations of time parameters of walking to the step frequency could be expressed by hyperbolic equations. The results showed that, as indicated by the presence of a bifulcrum period, walking was possible up 1/2





1/2 020 UNCLASSIFIED PROCESSING DATE--11SERTO TITLE-THE EMPLOYMENT OF RADIOISOTOPES IN THE COMPLEX DIAGNOSIS OF TUMORS OF THE EYE AND ORBIT -U-AUTHOR-DUBOVYY, YE.D., PAKHOMOVA, A.I., PANFILOVA, G.V., GORSKIY, L.A., SOKOLOV, V.N. COUNTRY OF INFO--USSR SOURCE--MEDITSINSKAYA RADIOLOGIYA, 1970, VOL 15, NR 3, PP 30-34 DATE PUBLISHED ---- 70 SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES TOPIC TAGS--DIAGNOSTIC METHODS, MEDICAL NUCLEAR APPLICATION, TUMOR, EYE, PHOSPHORUS ISOTOPE CONTROL MARKING--NO PESTRICTIONS DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1985/1690 STEP NO--UR/0241/70/015/003/0030/0034 CIRC ACCESSION NO--APO101745 UNCLASSIFIED



USSR

VDC 621.762.04:620.17

1

FEDORCHENKO, I.M., KORKH, L. M., PUGINA, L. I., PANFILCY RUDENKO, V. N., Institute of Problems of Material Science, Sciences Ukrainian SSR

"Effect of Technological Factors on the Durability of Sulfidized Iron-Graphite"

Kiev, Poroshkovaya metallurgiya, No 3, 1972, pp 99-105

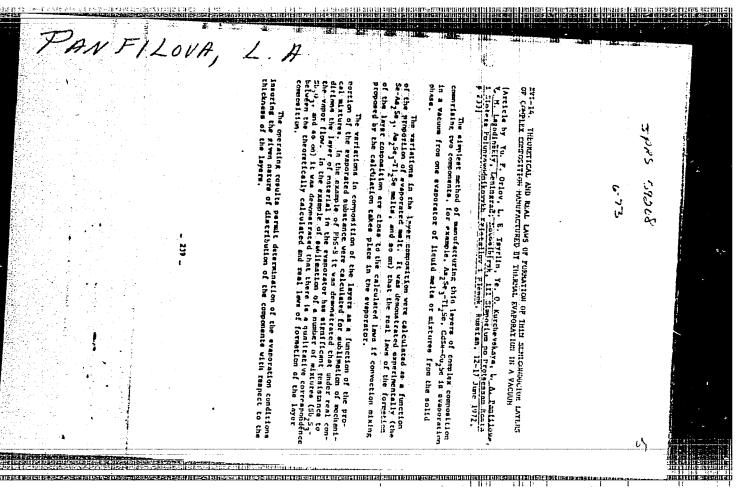
WHOM THE PRINTED

Abstract: The strength properties of cermet materials after sintering are governed not only by the composition of the mixture but by a variety of technological factors as well. Varying the alloying efficiency of iron particles with carbon will almost double the strength of sulfidized iron-graphite; raising the dispersity of the starting powders four-fold may increase the material's strength by 30%; reducing the porosity from 30 to 1% will increase the strength characteristics of the material four to five times. Addition of zinc sulfide to alloy the particle contacts with zine will raise the integral hardness by almost 30%. It has been established that the mechanism of strengthening cermet materials during plastic deformation is determined primarily by the material's initial (5 illustrations, 2 tables, 11 bibliographic references)

1/1

26

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"



USSR

UDC 543.42

TRUKHANENKO, E. M., PANFILOVA, L. I., FAVORIN, V. N.

"Spectral Method of Measurement of Concentrations of Components in Helium-Neon Gas Mixture in Sealed Tube"

Minsk, Zhurnal Prikladnoy Spektroskopii, No 4, Apr 71, pp 614-618.

Abstract: A method is described for measuring the concentrations of helium and neon in a sealed tube in the range of change of total pressure of the mixture corrected to room temperature of 0.4-3 torr with ratios of helium to neon concentration of 3-10. The accuracy of the method and conditions of its application are studied. Some results of measurements of concentrations of helium and neon in sealed tubes are presented. The method is based on selection of several lines of neon and helium and determination of combinations of intensities of various lines such that the intensity functions are monotonic, while the distance between them in the graph scale selected is significantly greater than the accuracy of measurement.

1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

USSR

WC 616.988.25-022,395,42-084,4(470.51)

KUCHERUK, V. V., KORENBERG, YE. I., PANFILOVA, S. S., SHULEPOVA, T. G., SMIRKOV, A. V., and LEBEDEV, I. P., Laboratory of Medical Zoology, Institute of Epidemiology and Microbiology imeni K. F. Gamaleya, Academy of Sciences USSR, Moscow, and Republic Sanitary Epidemiological Station, Udmurt ASSR, Izhevsk

"Recent Results in the Control of Tickborne Encephalitis in the Udmurt ASSR"

Hoscow, Meditsinskaya Parazitologiya i Parazitarnyye Bolezni, Vol 40, No 3, May/Jun 71, pp 275-283

Abstract: The annual incidence of tickborne encephalitis is high in the Udmurt ASSR. In some years, it was 10% of all recorded diseases. Data on the disease as it occurred from 1956 to 1965 were studied. The results of these studies led to a sharp reduction in incidence of the disease in the Udmurt ASSR. Statistical data on the disease level are presented in bar graphs for various regions over the 10-year period. Various forests in the area were characterized by their degree of epidemic danger, based on preliminary mapping of the occurrence and recurrence of infections. Subsequently, tick-extermination areas (amounting to 7% of the entire forest lands) were set aside and ticks eliminated by aerial spraying. Gamma-globulin prophylaxis and vaccination are recommended for the population living in areas in which tick eradication is difficult to achieve or impractical.

- 1424

A CONTRACTOR OF THE PARTY OF TH

USSR

WDC 547.574.241

IANKINA, T. A., PANFILOVA, Z. F., AMINOV, S. N., AND AKHEMEDOV, K. S., Institute of Chemistry, Academy of Sciences uzbek SSSR

"Synthesis and Surface-Activity Characteristics of Glycol Esters of Alkyl-phosphonic Acids"

Tashkent, Uzbekskiy Khimicheskiy Zhurnal , Vol 17, No 3, 1973, pp 55-57

Abstract: By the interaction of dichlorides of alkylphosphonic acids with glycol in the presence of triethylamine in ether solutions at a temperature  $5^{\circ}$ , esters RP(0)  $0\text{CH}_2\text{CH}_2$ 0 were synthesized, where R =  $0\text{C}_1\text{H}_2\text{m}+1$  and

n=6-14. Cyclization of the diglycol esters which formed initially took place during their distillation in vacuo. The esters with n=8-14 showed a high effectiveness as surface-active agents reducing the surface tension.

inspiration of the control of the co

1/1

USSR

UDC 533.6.011:51

# PANFILOVICH, V. B.

"Calculation of Mixed Subsonic - Supersonic Flow in a Curved Channel"

Kazan', Tr. Kazan. Aviats. In-ta (Works of Kazan' Aviation Institute), No 133, 1971, pp 30-36 (from Referativnyy Zhurnal-Aviatsionnyye i Raketnyye Dvigateli, No 2, Feb 72, Abstract No 2, 34.4)

Translation: The article describes the calculation method of a mixed subsonic-supersonic flow in a curved channel. The method uses the basic gasdynamics equations for two-dimensional, isentropic, gas flow with no energy exchange. The equations are integrated numerically. Results of calculations by means of Minsk-22 computer and of experimental verification are given. 6 illustrations, 4 references.

1/1

элежжаны жыжылы 2 колон жылы жылы жылы жылынын кынын кынын

USSR

UDC 533.6,011.35

PANFILOVICH, V. B., and SALAMASHKIN, V.A.

"Experimental Investigation of Gas Flow in a Curved Channel"

Kazan', Tr. Kazan. Aviats. In-ta (Works of Kazan' Aviation Institute), No 133, 1971, pp 57-61 (from Referativnyy Zhurnal-Aviatsionnyye i Raketnyye Dvigateli, No 2, Feb 72, Abstract No 2.34.5)

Translation: The article describes the experimental investigation of gas flow in a curved channel under chocking condition. Flow coefficients and pressure recovery are determined. Recommendations for increasing the efficiency of such channels are given.

5 illustrations. 3 references.

1/1

- 19-

TITLE—REACTION OF PHENYLACETYLENE WITH SOME ORGANIC ARSENIC COMPOUNDS -U
CCUNTRY OF INFO—USSR

SOURCE—ZH. OBSHCH. KHIM. 1970, 40(3), 703

SUBJECT AREAS-CHEMISTRY

TOPIC TAGS—ORGANIC ARSENIC COMPOUND, ACETYLENE HYDROCARBON, HEAT EFFECT

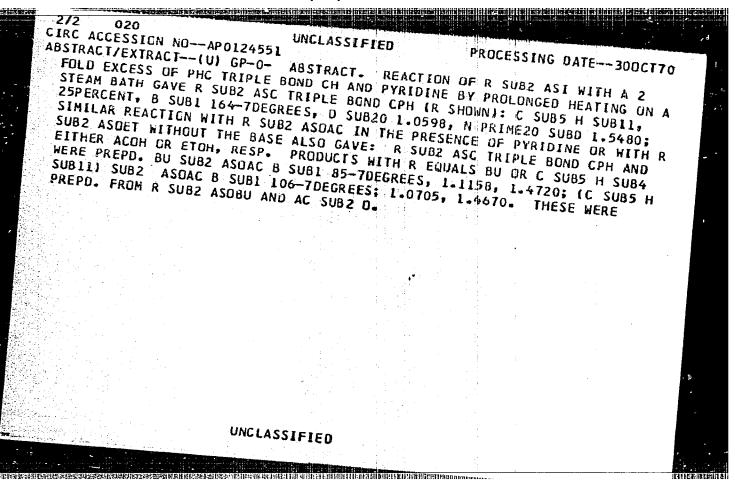
CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS—UNCLASSIFIED PROXY REEL/FRAME—2000/0888

STEP NO--UR/0079/70/040/003/0703/0703

CIRC ACCESSION NO-AP0124551

UNGLASSIFIED



USSR

P

UDC 547.342

KUZ'MIN, K.I., AND PANFILOVICH, Z. U., Kazan' Chemical Technological Institute imeni S. M. Kirov, Kazan, Ministry of Higher and Secondary Specialized Education RSFSR

"Synthesis and Properties of Bis (dialkylarsine) diacetylenes"

Leningrad, Zhurnal Obshchey Khimii, Vol 40, No 5, May 70, pp 1111-

Abstract: The authors synthesized five previously undescribed bis(dialkylarsine)diacetylenes by the interaction of dialkyliodoarsine and dimagnesium dibromodiacetylene. A study of the UV spectra of the resultant compounds indicates that the p-electrons of arsenic take part in the conjugation with the system of triple bonds.

1/1

. 34 \_

Forensic Medicine

USSR

UDC 340.6(47)

PANFLILENKO, O. A., Scientific Research Institute of Forensic Medicine, Ministry of Health USSR

"The Status of Soviet Forensic Medicine and Some Essential Steps for Its Continued Development"

Moscow, Sudebno-Meditsinskaya Ekspertiza, No 2, 1970, pp 3-7

Abstract: The Soviet Union now has over 4000 experts in forensic medicine and more than 700 technicians serving in 134 specialized laboratories throughout the country. Up-to-date biological, physicotechnical, and chemical methods of investigation are widely employed. X-ray machines, spectrophotometers, gas chromatographs, polarizing microscopes, etc. are in routine use. Despite the high caliber of the personnel, forensic medicine is not progressing as fast as it should because of limited facilities, staff, and above all, lack of coordination of research efforts. Recognizing the importance of overcoming this weakness, the country's leading research center, the Scientific Research Institute of Forensic Medicine, Ministry of Health USSR, several years ago appointed a problems commission to draw up long-range research plans, first for 1966-1970 and then for the 1971-1975 period. The plans were duly formulated, recommendations made, etc., but little has been accomplished in the way of implementation because the commission was not given executive authority.

energy of the second control of the second c

USSR

UDC 621.357.7:669.258

ARMYANOV, ST., VITKOVA, ST., PANGAROV N.

"Dependence of the Magnetic Characteristics of Electrolytic Cobalt Coating on the Texture and Phase Composition"

V sb. Nauch.-tekhn. konf. po probl. Razrab. mer zashchity met. ot korrezii, 1971. Tezisy dokl. vyp. 2. Sekts. 4-5 (Scientific and Technical Conference on the Problems of the Development of Measures for Protection of Metals from Corrosion. 1971. Topics of Reports. Vyp. 2. Sections 4-5 -- collection of works), Moscow, 1971, pp 101-104 (from RZh-Khimiya, No 6 (II), Jun 72, Abstract No 6L300)

Translation: It was established that the magnitude of the coercive force (ii) of Co deposits depends both on the orientation of the  $\alpha$ -Co crystals and on the amount of  $\beta$ -phase of the Co in the deposit. For the orientation of the  $\alpha$ -Co [0001]ii and the rectangularity of the hysteresis loop decrensed with an increase in perfection of the texture since in this case the axis of easy [1120] of  $\alpha$ -Co and [110] of  $\beta$ -Co respectively, it increased with a decrease in the amount of Co phase since the magnetic anisotropy constant of  $\alpha$ -Co is higher than that of  $\beta$ -Co.

1/1

- 14 -

USSR

UDC 621.357.7:669.248

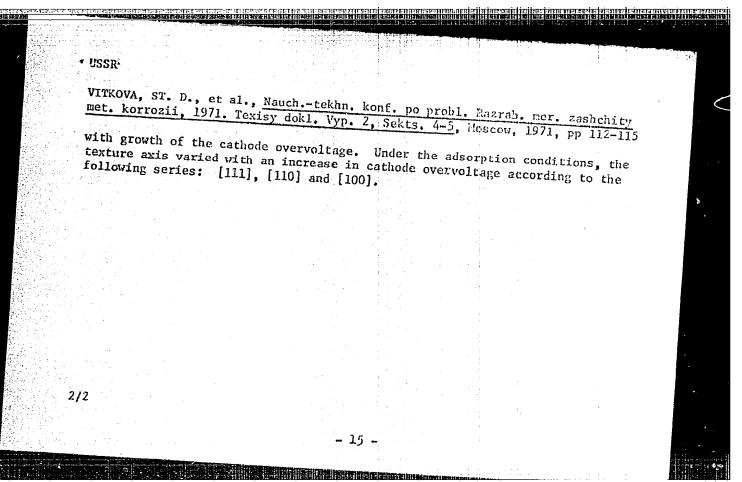
VITKOVA, ST. D., PANGAROV, N. A.

"Effect of Adsorption of Halide Ions on the Variation of the Type of Texture of Nickel Galvanic Coatings"

V sb. Nauch.-tekhn. kouf. po probl. Razrab. mer. zashchity met. korrozii, 1971. Tezisy dokl. Vyp. 2, Sekts. 4-5 (Scientific and Technical Conference on the Problems of the Development of Measures for Protection of Metals from Corrosion. 1971. Topics of Reports. Vyp. 2. Sections 4-5 -- collection of works), Moscow, 1971, pp 112-115 (from RZh-Khimiya, No 6 (II), Jun 72, Abstract No 6L301)

Translation: A study was made of the effect of adsorption of C1, Br and I on the predominant orientation of Ni crystals in electrolytically deposited layers from a solution containing 260 grams/liter of NiSO<sub>4</sub>·7H<sub>2</sub>O<sub>5</sub> 30 H<sub>3</sub>BO<sub>3</sub> with additions of KC1 (1·10<sup>-3</sup>-3·10<sup>-1</sup> M), KEr (1·10<sup>-3</sup>-4·10<sup>-1</sup> M) and KI (1·10<sup>-5</sup>-1·10<sup>-3</sup> M). The deposition took place at 50° with D lamp/dm<sup>2</sup> and pli 4.5. It was found that as a result of adsorption of halide ions, the formation of two-dimensional nucleating centers of Ni with [211] orientation becomes possible. Thus, the tion of two-dimensional nucleating centers. The texture of the Ni deposits varied with an increase in concentration of the halidaions the adsorption of which disturbed the previously established sequence of variation of textures

and the contract of the contra



USSR

UDC: 621.317.3(088.8)

PANCONIS, L. I., Institute of Radio Engineering and Electronics, Academy of Sciences of the USSR

"A Method of Measuring the Amplitudes of Wave Modes in a Multiple-Mode Waveguide"

USSR Author's Certificate No 266876, filed 16 Aug 68, published 27 Jul 70 (from RZh-Radiotekhnika, No 2, Feb 71, Abstract No 2A326 P)

Translation: The author points out the low resolution of the method for determining modes in a multiple-mode waveguide based on analyzing the patterns of emission from the open end of the guide with the plane of the aperture perpendicular to the waveguide axis. In the proposed method, measurement accuracy is improved by making the open end of the waveguide in the form of a flat cutoff of the waveguide walls at an angle to the longitudinal axis which is equal to or slightly less than (e. g. by 1-5') the Brillouin angle for a lower mode. E. L.

1/1

- 106 -

Section of the sectio

USSR

LYAKHOVICH, L. S., VORCSHNIN, L. G., SHCHERBAKOV, E. D., and PARICH, G. G. "Siliconizing of metals and Alloys"

Silitsirovaniye metallov i splavov (English version above), Minsk, Nauka i Tekhnika Press, 1972, 280 pp

Translation of Foreword: With the broad application of high temperatures and pressures, corrosive media, vacuum, etc. in modern machines, parts and units must frequently meet a combination of demands which cannot or should not be met from the economic standpoint by volumetric alloying of steels or creation of new alloys. In this case, the solution to the problem is frequently the creation of various protective coatings on the surfaces of products.

Diffusion coatings play a leading role in this respect. Chemical and heat treatment radically changes the physical and chemical properties of primarily developed.

This book analyzes the methods and technological principles of siliconizing of ironcarbon alloys, and the regularities of formation, structure, and
properties of diffusion layers. Silicide coatings on steels and alloys allow
significant increases in corrosion resistance, high-temperature exidation
resistance, and hardness and wear resistance, and sometimes allow these pro-

USSR

LYAKHOVICH, L. S., et al., Silitsirovaniye metallov i splavov, Minsk, Nauka i Tekhnika Press, 1972, 280 pp

perties to be produced in favorable combinations.

Siliconizing is presently used very little in industry. Probably the main reason for this is the lack of suitable technological methods for applying diffusion coatings, as well as the limited information available on the properties of these coatings. Therefore, the authors have turned their attention to the development and description of new methods of saturation and compositions of saturating mixtures and to the study and systematization of the properties of silicon-containing diffusion coatings on metals and alleys.

Due to the limited volume of this monograph, the authors were not able to describe fully the problems of siliconizing of nonferrous and refractory metals, so important from the practical point of view. However, the general principles of formation of diffusion coatings and compositions of saturating mixtures presented in the work can be used for the treatment of nonferrous and refractory metals and alloys.

This book also discusses certain little-studied problems of the thermodynamics and mechanism of formation of diffusion coatings by electrolytic and liquid saturation of metals and alloys from melts of salts and oxides. The of processes of diffusion saturation with other elements.

<del>- 5 -</del>

				e inspiration et
Tican	医隐状炎 医脑膜膜炎 医牙			,
USSR		1		
TVIVIOUS				
LYAKHOVICH, L. S., VOROSHNIN, L. G., Silitsirovaniye metallov i splavov, 280 pp	SHCHERBAKOV, I Minak, Nauka i	. D., and PANI Tekhnika Press	CH, G. G.,	
Table of Contents			>(~)	
			•	
Foreward				
有特殊等于1000000000000000000000000000000000000			: 3	
Chapter 1		:		
Interaction of Silicon with the Trans				
1. Silicon	Ltion Metals			
2. Transition Metal Silicides			5	
3. The Iron-Silicon System			9	-
4. Refractory Metal-Silicon Systems			19	
West with the second of the se			43	
Chapter 2				
Chemical and Heat Treatment in Oxide a				
1. Structure of Salt and Oxide Melts	nd Salt Melts			
2. Structure of Fused Silicates			52	
3. Thermodynamics and Mosters	entropy of the second		55	
3. Thermodynamics and Mechanism of Pro	ocesses of Elec	trolytic		
4. Contemporary Status of De-		- ·.	63	
4. Contemporary Status of Processes of Saturation	Non-electroly	tic (Liquid)	70	
			76	•
3/6			70	
CALCALLA CONTRACTOR CO				£,
				7.0
	नासि क्षाप्रिक्व समित्र सामित्र समित्र	Will distribute to a second		

, E. D., and i Tekhnike P		
T TOKIMIKE P	ress, 1972,	
T TOKIMIKE P	ress, 1972,	3.
T TOKIMIKE P	ress, 1972,	č
T TOKIMIKE P	ress, 1972,	
4		
- 1 - 10	93	
al Parameters	of	
	101	
	113	, E
	123	
		,
conizing of St	ee1	
of Carbon on	CCI	
	170	
	130	
mation of Sili	conized	
· •	164	
layers	175	
	conizing of St of Carbon on	conizing of Steel of Carbon on  139 150  mation of Siliconized

	USSR		
	LYAKHOVICH, L. S., VOROSHNIN, L. G., SHCHERBAKOV, E. D., and PANICH, Silitsirovaniye metallov i splavov, Minsk i Tekhnika Press, 1972, 280	G. G.,	•
	<ol> <li>Texture of Diffusion Layers</li> <li>Porosity in Siliconized Layers</li> </ol>	185 188	
	Chapter 6		ÿ.
	Properties of Siliconized Steels		
	1. Mechanical Properties	194	
	2. High-temperature Oxidation Resistance	196	
	3. Corrosion Resistance	202	
	Chaptor 7	:	
	Siliconizing of Certain Metals and Alloys		
	1. Siliconizing of Cast Iron		į
	2. Siliconizing of Iron Metal Ceramic	210	
	Z. Siliconizing of Poinceton Netal Caramic	220	
	3. Siliconizing of Refractory Metals and Titanium 4. Siliconizing of Copper, Cobalt, Nickel and Their Alloys	228	
1.02	4. Siliconizing of Copper, Cobalt, Nickel, and Their Alloys	252	
100	5/6		

USSR					
LYAKHOVICH, L. S., ve Silitsirovaniye metal 280 pp	oroshnin, L. C., Sho Liov 1 spiavov, Mins	CHERBAKOV, 1 Sk. Nauka i	E. D., and PANICH	, G. G.,	
Chapter 8 Industrial Applicatio 1. Siliconizing of S 2. Siliconizing of R	n of Siliconizing			255	,
Bibliography				261	
				263	
- 개발에 발표하는 것이다. 					
		: *			
			14		
為性,					
					_
6/6					

#### Radiation Chemistry

USSR

UDC 541.182.65:541.15

MAZINA, G. R., PANICH, R. M., USTINOVA, Z. M., VOYUTSKIY, S. S., FODIMAN, N. M., KRATSHIEYN, P. H., and KUZNETSOVA, G. I., Moscow Institute of Fine Chemical Technology imeni M. V. Lomonosov

"Effect of Ionizing Radiation on the Properties of Fluorine-containing Copolymer Latex"

Moscow, Kolloidnyy Zhurnal, Vol 33, No 5, Sep-Oct 71, pp 690-692

Abstract: The effect of ionizing radiation on the properties of fluorine-containing copolymer latex was studied by using Co<sup>CO</sup> as a source, the radiation dose ranging from 0.25 to 50 Mrad. The pH of the irradiated copolymer latex became lower, as did the resistance to electrolytes. After irradiation the cosquilation threshold of the latex was also lowered with simultaneous coagulation of globules and intraglobular crosslinking of the polymer. Increased radiation dose resulted in greater three-dimensional lattice density. Irradiation of the latex does not lead to formation of intraglobular chemical bonds and to better film formation.

1/1

UNCLASSIFIED PROCESSING DATE--230CT70

TITLE--RESEARCH IN THE COLLOID CHEMISTRY DEPARTMENT AT THE M. V. LOMONOSOV

AUTHOR-(02)-VOYUTSKIY, S.S., PANICH, R.M.

COUNTRY OF INFO--USSR

SOURCE--KAUCH. REZINA 1970, 29(4), 42-4

DATE PUBLISHED-----70

SUBJECT AREAS--CHEMISTRY, MATERIALS

TOPIC TAGS--COLLOID, SCIENTIFIC R AND D, LATEX, POLYMER, SURFACE ACTIVE

CONTROL MARKING--NO RESTRICTIONS

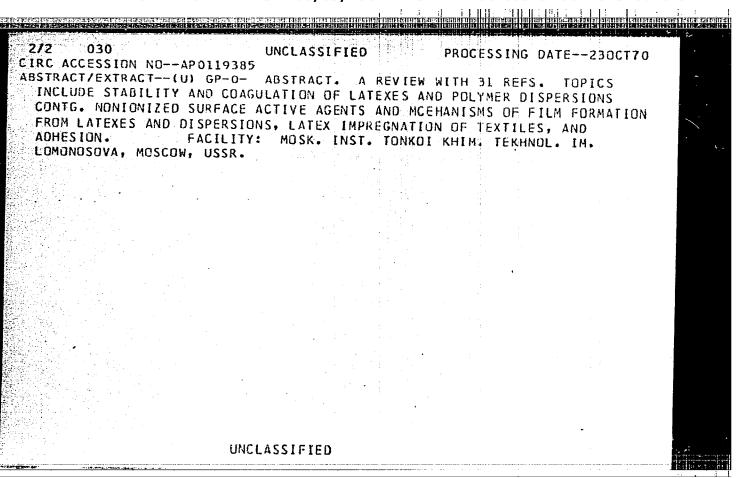
DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1997/0449

STEP NO--UR/0138/70/029/004/0042/0044

3 1

CIRC ACCESSION NO--APOL19385

UNCLASSIFIED



UDC 621.357.12.035.2

KOROVIN, N. V., GRISHAYENKOV, B. G., PANICH, R. II., GAVRILOV, B. A., RYABUKHIN, A. G.

"Some Problems of the Theory and Results of Studies of the Operation of Porous Electrodes in Devices for the Electrolysis of Aqueous Solutions of Bases"

Tr. Kurgan, mashinostroit, in-ta (Works of the Kurgan Machine Building Institute), 1971, vyp. 17, pp 42-49 (from RZn-Khimiya, No 6 (II), Jun 72, Abstract No 6L257)

Translation: A study was made of some of the operating characteristics of liquid-gas porous electrodes manufactured by the cernet procedure from carbonyl Ni powder (particle size 3-6 µ) and used in devices for electrolysis of aqueous solutions of bases. A method is proposed for determining the gas content of the operating porous electrodes by the flow rate of the electrolyte. The gas content is defined as a function of the structure of the electrode and the polarizing current density. It was demonstrated that biporous electrodes with a porosity of 70-75% with a large pore diameter of ~60-80 µ and fine pores of 6-8 µ are optimal. By comparing the functions for the activity of the electrode and its gas content as a function of the porosity, the effect of the gas content and the porosity on the magnitude of the effective electrical conductivity of the electrolyte in the pores of the electrode was determined. The possibility of predicting the activity of the Ni electrode is demonstrated.

USSR

PANICHEV, N. A., et al., Zhurnal Prikladnoy Spektroskopii, Vol XVIII, No 5,

A comparison of the detection limits of the scintillation method of recording in the emission and atom absorption methods of analysis performed for Cu and Ag also showed that the latter is more sensitive. The result is explained by the higher level of spectral noise for measuring emission radiation by comparison with the number of nonselective absorption pulses.

2/2

# CIA-RDP86 0513 002202320016-APPROVED FOR RELEASE: 08/09/2001

USSR

PANICHEV, N. A., PRUDNIKOV, Ye. D., TURKIN, Yu. I., SHVEDOVA, I. V. "Scintillation Method of Recording in the Atom Absorption Method of Spectral

Minsk, Zhurnal Prikladnoy Spektroskopii, Vol XVIII, No 5, 1973, pp 772-776 Analysis"

Abstract: The scintillation method of recording in the atom absorption technique for spectral analysis is based on recording the absorption pulses of the analytical line caused by evaporation in an atomizing source of individual particles the composition of which includes a defined element. In the example of analyzing Zn, Cd, Cu, Pb, He, and Au the possibility of direct analysis of these elements in powdered samples by blowing them into an air-acetylene flame in an oxygen stream with a relative sensitivity of 10-5 to 10-6% is demonstrated. A study was made of the effect of the number of particles containing the defined element on the efficiency of the scintillation recording. The method is highly promising for evaluating the form of the concentration distribution of the elements in the sample composition and analysis of an object with a nonuniform concentration (rocks, industrial and analysis of an object with a nonunity of concentration (2000s, industrial and the tabulated aerosols). A block diagram of the experimental device and the tabulated experimental data are presented.

1/2

1/2 044

TITLE--SPECTRAL ANALYSIS OF POWDERED SAMPLES IN A FLAME BY USING A

AUTHOR-(02)-PANICHEV, N.A., TURKIN. YU. I

COUNTRY OF INFO--USSR

SOURCE-ZH. PRIKL. SPEKTROSK. 1970, 12(2) 213-16

DATE PUBLISHED ---- 70

SUBJECT AREAS--CHEMISTRY, MATERIALS

TOPIC TAGS--FLAME PHOTOMETRY, SCINTILLATION COUNTER, LITHIUM, CESIUM, STRONTIUM, GALLIUM, METAL POWDER/(U)ISP51 SPECTROGRAPH

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3001/2091

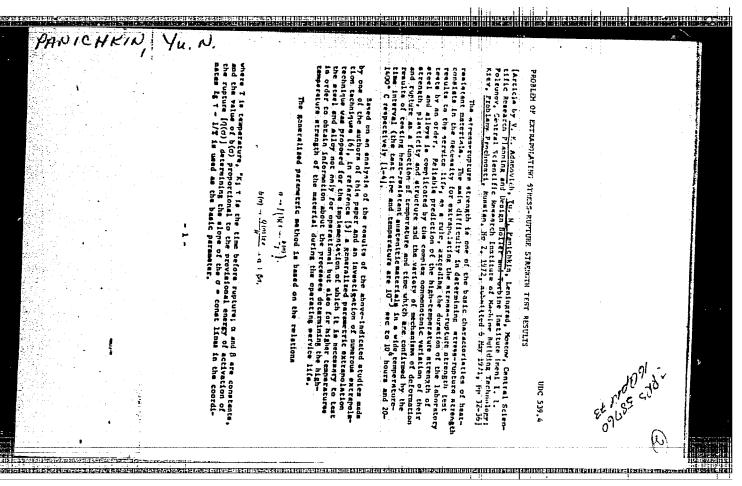
STEP NO--UR/0368/70/012/002/0213/0216

CIRC ACCESSION NO--AP0127464

UNCLASSIETED.

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

2/2 044 UNCLASSIFIED PROCESSING DATE--27NDV70 CIRC ACCESSION NO--APO127464 ABSTRACT/EXTRACT--(U) GP-0- ABSTRACT. A SCINTILLATION METHOD OF RECORDING IN ATR. C SUB2 H SUB2 FLAME ISHUSED FOR POWD. SAMPLES FOR DIRECT SEQUENTIAL DETNS. OF LI, CS, SR, AND GA. SAMPLES OF 3, 10, 25, AND 44 MU M PARTICLE SIZE WERE MIXED WITH CORRESPONDING SID SUB2 PARTICLES AND THE SPECTRA WERE MEASURED WITH A ISP 51 SPECTROGRAPH. FOLLOWING ANAL. LINES AND SENSITIVITIES WERE MEASURED: LI 6707.8, 10 PRIME NEGATIVES, CS 4555.4, 10 PRIME NEGATIVES, SR 4607.3, 10 PRIME NEGATIVE4. AND GA 4172.8 ANGSTROM, 5 TIMES TO PRIME NEGATIVESPERCENT. RELATIVE STD. DERIVATION FOR THESE CONCAS. WAS SOPERCENT LEGR SO DETNS.); BUT INCREASING CONCNS. TO 0.018 ERCENT LOWERED IT TO THE 6-8PERCENT RANGE. THE RESULTS OBTAINED BY USING THE SPECTRAL METHOD CORRESPONDED QUITE WELL WITH THOSE OBTAINED BY FLAME PHOTOMETRY. BY THIS METHOD PRODUCTIVITY CAN BE GREATLY INCREASED.



1/2 015 UNCLASSIFIED PROCESSING DATE--300CT70
TITLE-EFFECT OF ANTICCAGULANTS ON THE RESISTANCE AND PERMEABILITY OF THE
VASCULAR WALL IN PATIENTS WITH MYDCARDIAL INFARCTION +UAUTHOR—PANICHKINA, V.I.

CCUNTRY OF INFO--USSR

SOURCE-VRACHEBNOYE DELO. 1970, NR 5, PP 21-23

DATE PUBLISHED ----- 70

SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS-ANTICOAGULANT DRUG, BLOOD VESSEL, MYOCARDIUM, CAPILLARY

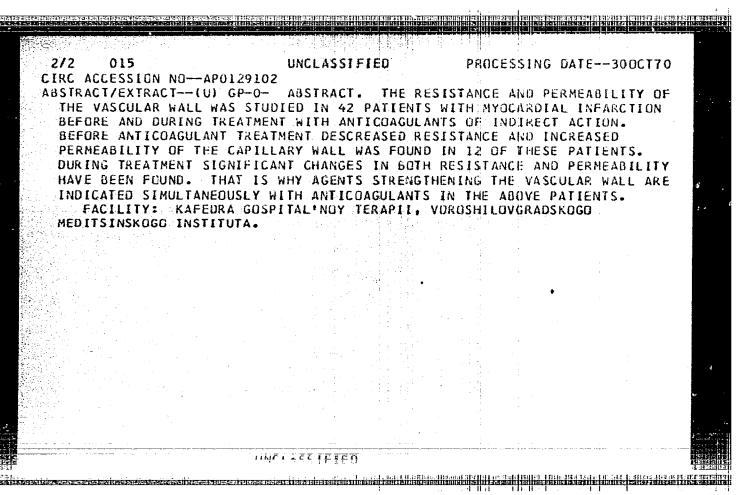
CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS—UNCLASSIFIED PROXY REEL/FRAME—3002/1734

STEP NO--UR/0475/70/000/005/0021/0023

CIRC ACCESSION NO--APOL29102

UNCLASSIFIED



tesr .

UDC: 621.762.27

KHRIYENKO, A. F., SKOROKHOD, V. V. and FANICHKIMA, V. V. Institute of Problems of the Material Science, Academy of Sciences Ukrainian SSR

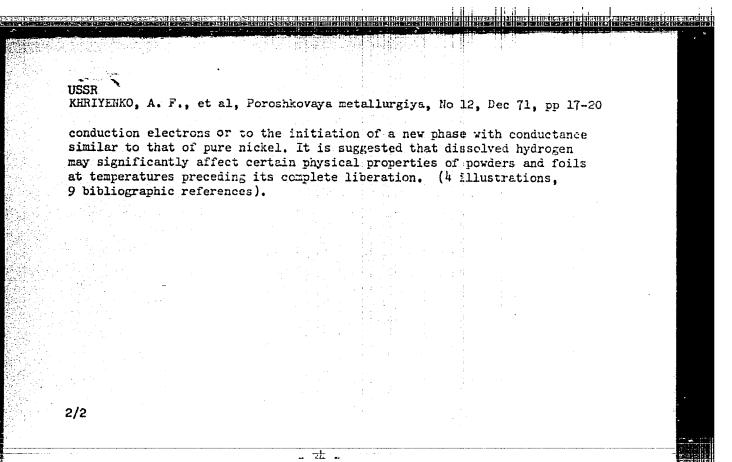
"Hydrogen Effect on Certain Properties of Electrolytic Nickel Films"

Kiev, Poroshkovaya metallurgiya, No 12, Dec 71, pp 17-20

Abstract: This study concerns the effect of the hydrogen dissolved in nickel on the defectiveness of crystal structures, recovery processes, and pre-crystallization changes in the fine crystalline structure of nickel powders. The test specimens included: electrolytic nickel powder, autoclave nickel, and electrolytic nickel foil. The study covered the effects of electrolytic conditions and the pH of the solutions on the amount of hydrogen dissolved in nickel, the kinetics of hydrogen liberation, increase in conductivity and hardness with annealing temperature. An tion of packing defects and increase both the resistivity and hardness (HV). The increase in resistivity is attributed either to the formation of proton gas clouds (in the nickel lattice) inhibiting the movement of

1/2

ARCHER BERTHEIN BERTH



1/2 019 UNCLASSIFIED PROCESSING DATE--23UCT70
TITLE--SIMPLIFIED METHOD FOR MEASURING A SPECIFIC SURFACE BASED ON THE

PHYSICAL ADSORPTION OF GASES -U-AUTHOR-(02)-UVAROVA, I.V., PANICHKINA, V.V.

COUNTRY OF INFO--USSR

SOURCE--ZAVOD. LAB. 1970, 36(3), 306

DATE PUBLISHED ---- 70

SUBJECT AREAS--CHEMISTRY

TOPIC TAGS--GAS ADSORPTION, NITROGEN, TUNGSTEN, MOLYBDENUM, PALLADIUM, IRON

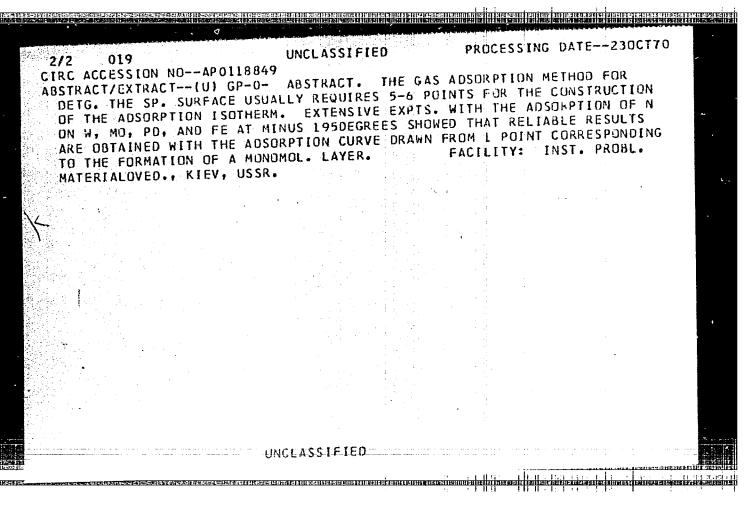
CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1996/1887

STEP NO--UR/0032/70/036/003/0306/0306

CIRC ACCESSION NU--APOL18849

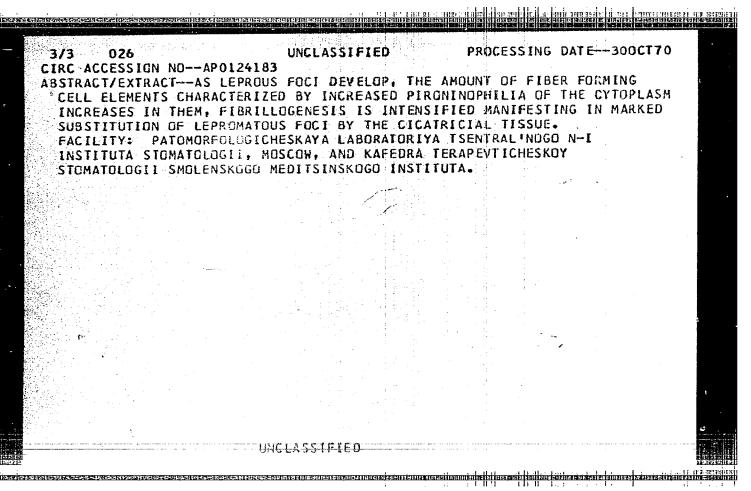
\_\_\_\_\_UNCLASSIFIED \_\_\_\_



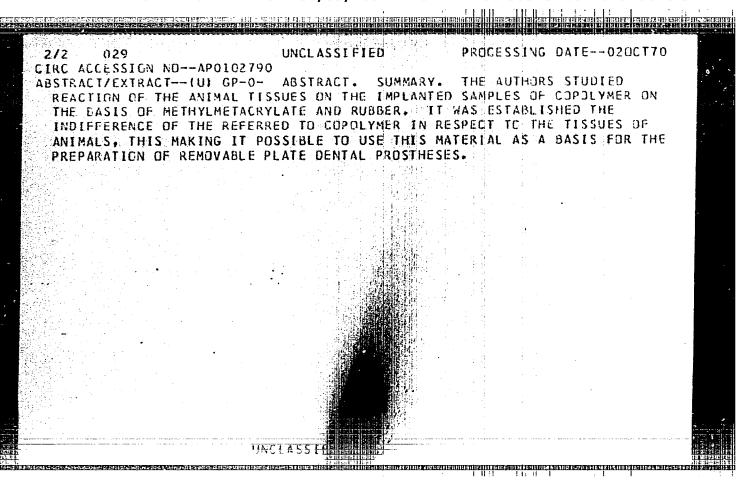
PROCESSING DATE-300CT70 UNCLASSIFIED : 1/3 , 026 TITLE-HISTOCHEMICAL CHARACTERISTICS OF LEPROUS LESIONS OF THE BUCCAL MUCOSA -U-AUTHOR-(03)-PANIKAROVSKIY, V.V., GRIGORYAN, A.S., BUSYGINA, M.V. CCUNTRY OF INFO--USSR SOURCE-VESTNIK DERMATOLOGII I VENEROLOGII, 1970, NR 4, PP 32-38 DATE PUBLISHED 70 SUBJECT AREAS-610LOGICAL AND MEDICAL SCIENCES TOPIC TAGS-HISTOCHEMISTRY, LEPROSY, COLLAGEN, MACROPHAGE, BLOOD VESSEL, TUMOR, GLYCOGEN, CYTOPLASM, MOUTH CONTROL MARKING--NO RESTRICTIONS DUCUMENT CLASS-UNCLASSIFIED STEP NO-UR/0206/10/000/004/0032/0038 PROXY REEL/FRAME--2000/0438 CIRC ACCESSION NO--AP0124183 UNCLASSIFIED

PRUCESSING DATE-300CT70 UNCLASSIFIED 2/3 . 026 CIRC ACCESSION NO-APO124183 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. WHEN THE BUCCAL MUCOSE IS AFFECTED IN LEPROSY. THE LEPROMATOUS PROCESS INVOLVES ITS DIFFERENT COMPONENTS. ELEMENTS OF THE CONNECTIVE TISSUE UNDERGO DESTRUCTION, PARTICULARLY FIBRILLAR STRUCTURES. AT THE PEAK OF THE LEPROMATOUS PROCESS FRAGMENTATION AND LYSIS OF COLLAGEN FIBERS ARE OBSERVED. THE REMAINING FIBRILLS HAVE DIFFERENT THICKNESS AND SHAPE. ARE TRREGULARLY DRIENTED. AND ACQUIRE ARGENTOPHILIA. THE ELASTIC CARCASS OF THE BUCCAL MUCOSE IS INTENSIVE PROLIFERATION REACTION OF LYMPHO HISTIOCYTIC DESTROYED. ELEMENTS IS NOTED. LEPROUS CELLS REPRESENTING DERIVATIVES OF THE HISTIGCYTIC SERIES POSSESS ALL THE CHARACTERISTICS OF MACROPHAGES WHICH HAVE THE STRUCTURE AND HISTOCHEMICALLY DETECTABLE PROPERTIES SPECIFIC INVOLVEMENTS OF THE WALLS OF BLOOD VESSELS IS FOR LEPROUS FORMATIONS. CONSIDERABLE, EVEN THOUGH THIS PROCESS IN SPECIFIC GRANULOMAS IS FREQUENTLY OVERLAPPED BY INTENSIVE FORMATION OF NEW VESSELS OF THE CAPILLARY TYPE. EPITHELIUM OF THE BUCCAL MUCOSE IN FOCI OF LEPROUS LESIGNS IS CHARACTERIZED, AS A RULE, BY REARRANGEMENT OF CYTOPLASMIC GLYCOGEN. THE AMOUNT OF WHICH IN PROLIFERATING EPITHELIAL CELLS IS IN THOSE CASES WHERE LEPROMATOUS FOCI FREQUENTLY INCREASED MARKEDLY. OCCUR IN THE IMMEDIATE PROXIMITY TO THE EPITHELIAL LINING OR INVOLVE IT IN THE PROCESS, DESTRUCTION OF THE BASAL MEMBRANE IS OBSERVED. EPITHELIAL CELLS OFTEN UNDERGO NECROSIS, ULCERATIVE DEFECT IS FORMED, THE BOTTOM OF WHICH CONSISTS OF THE GRANULATION TISSUE.

CHIRLIPSALIMIN



PROCESSING DATE--020CT70 TITLE--EXPERIMENTAL AND MORPHOLOGICAL EVALUATION OF COPOLYMER ON THE BASIS OF METHYLMETACRYLATE AND RUBBER PROPOSED AS BASIS MATERIAL FOR THE AUTHOR-104)-PANIKAROVSKIY, V.V., YAGUDIN, A.D., PASHININ, B.P., POYUROVSKYAY, I.YA. COUNTRY OF INFO--USSR SOURCE-STOMATOLOGIYA, 1970, VOL 49, NR 2, PP 57-60 DATE PUBLISHED ---- 70 SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES TOPIC TAGS--DENTISTRY, PROSTHESIS, METHYL METHACRYLATE CONTROL MARKING--NO RESTRICTIONS DOCUMENT CLASS--UNCLASSIFIED STEP NO--UR/0511/70/049/002/0057/0060 PROXY REEL/FRAME--1986/0328 CIRC ACCESSION NO--AP0102790 - UNCLASSIFIED a sassens sant nestrum sum entrementation intrinción estimina indication est de la companya de la companya



1/2 024 UNCLASSIFIED PROCESSING DATE--160CT70
TITLE--THE HISTOPATHOLOGY OF NEUROFIBROMATOSIS OF THE MAXILLOFACIAL REGION
-UAUTHOR-(02)-PANIKAROVSKIY, V.V., SAVITSKIY, V.A.

COUNTRY OF INFO--USSR

SOURCE--STOMATOLOGIYA, 1970, VOL 49, NR 3, PP 39-43

DATE PUBLISHED---- 70

SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS-TUMOR, SURGERY, JAW, HISTOLOGY, MICROSCOPY

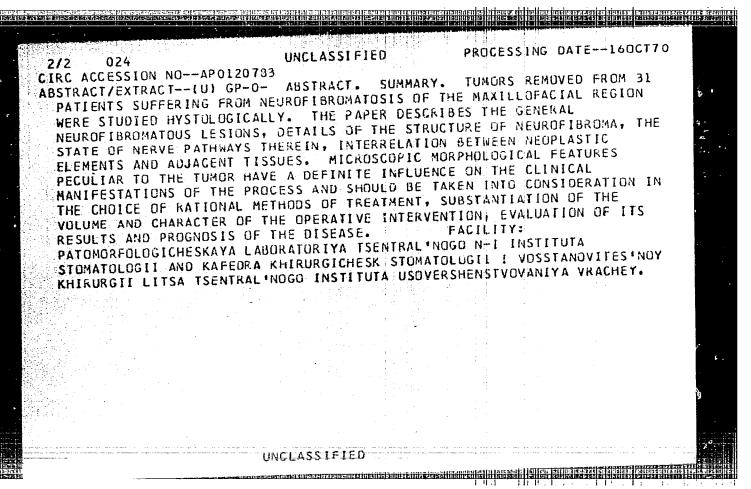
CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1998/0083

STEP NO--UR/0511/70/049/003/0039/0043

CIRC ACCESSION NO--APO120783

UNCLASSIFIED



Acc. Nr: AP0046254

P

. Ref. Code: UR 05/1

PRIMARY SOURCE: Stomatologiya, 1970, Vol 49, Nr / , pp 9-14

Panikarovskiy. V. V.; Grigor'yan, A. S.; Sazonova, V. I. THE STATE OF THE ADRENAL CORTEX IN RATS KEPT ON A SACCHAROSE-CASEIN CARIESOGENIC DIET

Summary. At early periods of the experiment (7th-21st day) in the glomerular zone there were noted a drop in the content of lipids, intensification of pyroninophilia, decrease of the level of ascorbic acid. In the ganglionic zone, on the contrary, there were observed an intensification of sudanophilia, a drop in the RNA content and focal intensification of the reaction to ascorbic acid. At late periods of observation (30th-180th day) the referred to changes intensify. However, on the 360th day in some cells of the glomerular zone there appear sudanophilic inclusions, while in cells of the ganglionic zone

sudanophilia decreases simultaneously. In the adrenal glands of rats at different periods of the experiment there appear sub-, intra- and extracapsular regenerative proliferates from cells of the glomerular and (more rarely) of the ganglionic zone.

1/1

19781372

DI .

RESIDENCE DE LA REGIONAL DE LA COMPANION DE LA RESIDENCE DE LA COMPANION DE L

UNCLASSIFIED PROCESSING DATE—300CT70
TITLE—NEURCHISTULOGICAL CHANGES IN THE PERIPHERIC NERVOUS SYSTEM OF
POSTMENTEM ELDERLY AGE GROUPS -UAUTHOR—PANIKARSKIY, V.G.

COUNTRY OF INFO—USSR

SGURCE—VRACHEBNOYE DELO, 1970, NR 5, PP 114-117

DATE PUBLISHED———70

SUBJECT AREAS—BIOLOGICAL AND MEDICAL SCIENCES
TOPIC TAGS—GERCNIOLOGY, STOMACH, NERVE DEGENERATION, HISTOLOGY, BIOLOGIC
AGING

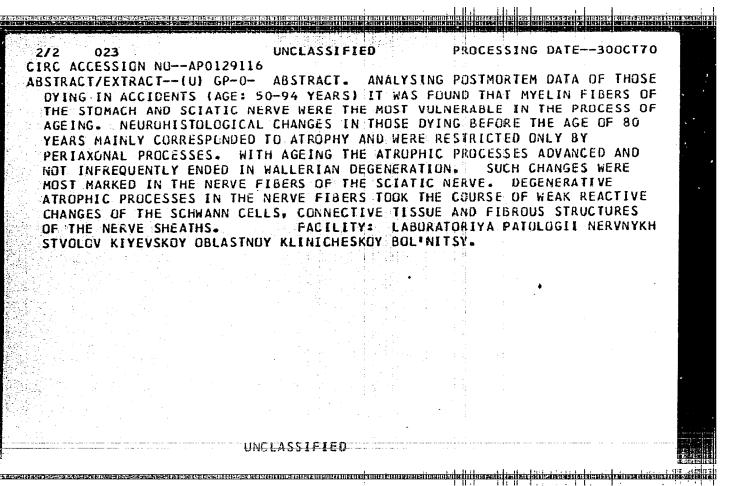
CONTROL MARKING—ND RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3002/1748

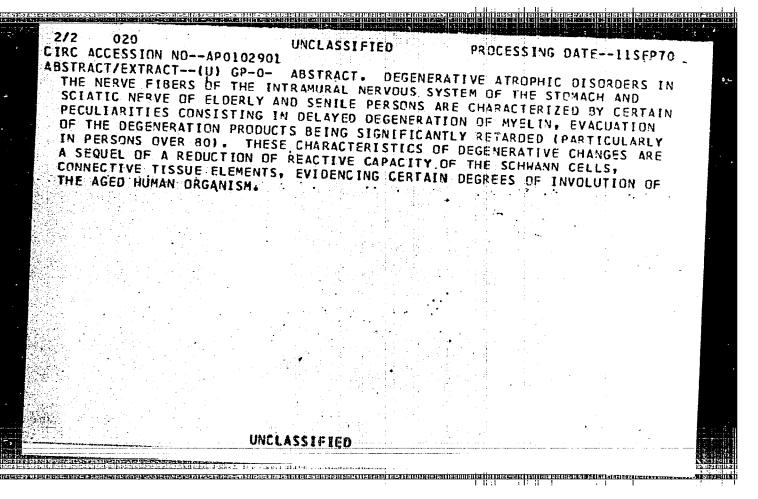
STEP NU-UR/0475/70/000/005/0114/0117

CIRC ACCESSION NO-APO129116

UNCLASSIFIED



1/2 020 UNCLASSIFIED TITLE-NERVE FIBERS OF THE INTRAMURAL SYSTEM OF THE STOMACH AND SCIATIC NERVE IN THE EARLY AND SENILE PERIODS OF LIFE -U-AUTHOR--PANIKARSKIY. V.G. COUNTRY OF INFO--USSR SOURCE--VRACHEBNOYE DELD, 1970, NR 3, 53-56 DATE PUBLISHED ----- 70 SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES TOPIC TAGS-BIOLOGIC AGEING, NERVOUS SYSTEM DISEASE, NERVE FIBER, NERVE DEGENERATION CONTROL MARKING--NO RESTRICTIONS DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1986/0962 STEP NO--UR/0475/70/000/003/0053/0056 CIRC ACCESSION NO--APO102901 UNCLASSIFIED



USSR

UDC 616.857-085.7:612.223.3

PANIKARSKIY. V. G., and SHILOVA, E. N., Kiev Oblast Clinical Hospital

"Effect of Biotron and Drug Treatment on Headaches"

Kiev, Vrachebnoye Delo, No 11, Nov 76, pp 77-80

Abstract: Weather conditions have a considerable effect on patients with hypertension. Drug therapy may be ineffective in the treatment of these patients if the weather conditions disturb the equilibrium between the patients' organism and the environment to such an extent that the capacity of the organism for adaptation is exhausted. In the treatment of headaches superinduced by hypertension in a group of 128 patients (65 men and 63 women), administration of drugs (motherwort extract with bromine, depressin, KCl, analgin, papaverine, and dibazol) for 6-15 days was ineffective. The patients were transferred to the biotron department (wards with an artificially controlled microclimate). As a result of a stay in the biotron department, the headaches were cured completely in 85.15 percent of the cases and alleviated in 14.06 percent of the cases. The condition of the patients was also improved in other respects. Under the influence of the controlled conditions in the biotron, the arterial pressure of the patients also dropped.

USSR

VDC 621.791

YAROVINSKIY, Yu. L., Candidate of Technical Sciences, PANIN

"Investigation of the Influence of Multipass Welding Upon the Mechanical Properties of Welded Seams of Titanium Alloys VT6s and VT14"

Moscow, Izvestiya Vysshikh Uchebnykh Zavedeniy, Mashinostroyeniye, No 5,

Abstract: The article deals with an experimental investigation of the relationship of the mechanical properties of welded seams to the number of welding passes in the production of spherical containers from titanium alloys VT6s and VT14 by means of the newly introduced technique of multipass argon-arc welding by a submerged arc without dressing the edges. It is shown that considerable weakening of the welded seam does not take place, and the plastic characteristics do not change, while the observed grain increase does not exert a significant influence upon the mechanical properties of the welded seams. 1 figure.

1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

USSR

VDC 619:616.9.022.7+636.2+636.3+636.4+636.52/.58

# PANIN. G. I.

"The Effectiveness of Associated Preparations Against Experimental Erysipelas and Hog Cholera of Swine"

V sb. Sb. nauchn. rabot. Sib. n.-i. vet. in-t. (Siberian Scientific Research Veterinary Institute -- Collection of Scientific Works), No 17, 1970, pp 158-161 (from RZh-Zhivotnovodstvo i Veterinariya, No 3, Mar 71, Abstract No 3.58.611)

Translation: Associated vaccination of swine with blood crystal-violet hog cholera vaccine and depoted or dry mildly virulent erysipelas vaccine provided the animals with reliable immunity against hog cholera plague and erysipelas (test infection after 53 days). The best immunogenic effect was obtained after inoculation of a combined preparation which had been prepared on the day of its use.

1/1

. 00 ...

USSR

WC 533.6.071.621.002

PANIN, I. D. and TRET YAKOV, G. P.

"Special Features of the Manufacture of Wind Tunnel Nozzles"

Novosibirsk, Izvestita Sibirskogo Otedeleniya Akademii Nauk SSSR, Seriya Tekhnicheskikh Nauk, Issue i, No 3, 1973, pp 136-139

Abstract: For more than 10 years the Experimental Plant of Siberian Department has been preparing wind tunnel nozzles of various design; this work represents a complex evolution ranging from primitive manual methods for working aluminum alloys, to the mechanized template-based industrial production of heat-resistant, stainless steel nozzles.

Master forms, templates and plane tables are essential in mechanised nozzle production. The template is simply a plate with cut-out whose outline corresponds to a given contour of the complex surface of a part or unit; the master form is a device which assures appropriate direction of feed to the copying machine or cutting instrument.

Other production equipment, illustrated and discussed in the article, is the horizontal milling machine 6N33 for preparing curvilinear surfaces of plane-parallel nozzles, the 6441E machine for the same purpose, the 163 model 1/2

- 53 -

ESTRES OF THE THE TRANSPORT OF THE STREET OF

USSR

PANIN, I. D., and TRET YAKOV, G. P., Izvestiya Sibirskogo Otedeleniya Akademii Nauk SSSR, Seriya Tekhnicheskikh Nauk, Issue 1, No 3, 1973, pp 136-139

for processing curvilinear surfaces of axisymmetrical nozzles, and a installation for producing supersonic nozzles by the galvanic method. An experimental nozzle with critical channel cross-section of 24.9 mm is

2/2

USSR

UDC: 621.372.54

DYCHAKOVSKIY, V. B. and PANIN, I. I.

"A Method of Constructing Active Filters of Upper and Lower Frequencies"

Elektron. tekhnika. Mauchno-tekhn. sb. Mikroelektronika (Mectronic Ingineering, Molection Pechnical Collection, Microelectronics) 1970, No. 2(23), pp 71-76 (from RZh-Radiotekhnika, No. 3, March 71, Abstract No. 3A191)

Translation: To obtain a sufficiently high steepness of the amplitude-frequency characteristic of upper and lower frequency filters, a method is proposed for constructing such filters in three stages, the active parts of which are in the form of buffer amplifiers with high input resistance and voltage transfer factors close to unity. A distributed RC circuit is used as the frequency-selecting element. The schematics and the transfer factors for the different types of stages are given. Resume

1/1

AND THE PROPERTY OF THE PROPER

#### "APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-009

Acc. Nr.: AP0031218

The state of the s

Ref. Code: UR 0219

PRIMARY SOURCE: Byulleten' Eksperimental'noy Biologii i

Meditsiny, 1970, Vol 69, Nr 1, pp 31-34

ON THE MODE OF THE ADRENOCORTICOTROPIC HORMONE AND HYDRO-CORTISONE ACTION ON THE ACTIVITY OF THE TISSUE HEXOKINASE

Tomsk Medical Institute

Hydrocortisone is shown to avert the decline of hexokinase activity in the muscles and heart of rabbits fasting for 5 days. In the liver this effect was but weakly pronounced, with the glycogen content ramaining normal. Adrenocorticotrepic hormone hinders more effectively than does hydrocortisone the lowering of the hexokinase activity in the muscles, heart, and particularly in the liver of fasting animals, with glycogen proportion decreasing quite sizably. An analysis of sugar curves and morphological findings demonstrated the stimulating effect of hydrocortisone to be associated with the intensification of glyconeogenesis and activation of  $\alpha$ -cells in Langerhan's islands of the pancreas. The stimulating effect of ACTH is not limited to the action coming via the adrenals and is, probably, linked with activation of  $\beta$ -cells in Langerhan's islands of the pancreas.

1/1

REEL/FRAME

19691267

2 mK

Foresteen. Right-ender Rennes and between the surface in the contract the contract of the cont

UNCLASSIFIED PROCESSING DATE--230CT70
TITLE--ALLERGIC REACTIONS IN STOMATOLOGICAL PATIENTS -U-

AUTHOR-(02)-BOKANOVA, ZH.V., PANIN, M.G.

COUNTRY OF INFO--USSR

SOURCE--STOMATOLOGIYA, 1970, VOL 49, NR 3, PP 24-26

DATE PUBLISHED ---- 70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--ORAL DISEASE, ALLERGIC DISEASE, SELECTIVE DRUG EFFECT, ANALGESIC DRUG, ANTIBIOTIC, PENICILLIN, STREPTOMYCIN

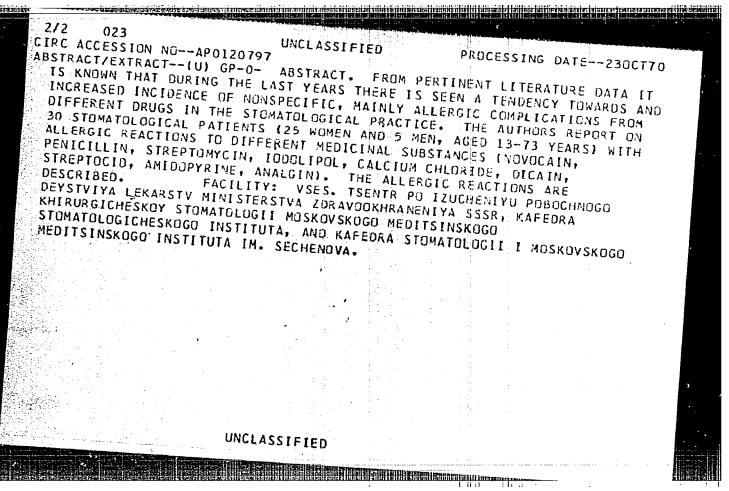
CONTROL MARKING--NO RESTRICTIONS

PROXY REEL/FRAME--1998/0097

STEP NO--UR/0511/70/049/003/0024/0026

CIRC ACCESSION NO--APO120797

UNCLASSIFIED



APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

USSR

UDC 536.46:533.6

PANIN, V. F., PARFENOV, L. K., ZAKHAROV, Yu. A.

"On the Phenomenon of Three Flame Propagation Limits in a  $H_2-O_2-N_2$  System"

V sb. Goreniye i vzryv (Combustion and Explosion -- Collection of Works), Moscow, "Nauka", 1972, pp 293-295 (from RZh-Mekhanika, No 3, Mar 73, Abstract

Translation: The flame concentration limits in hydrogen-oxygen-nitrogen mixtures were studied experimentally in the pressure range  $\sim 10-10^3$  mm Hg. The existence of two limits (in terms of pressure) was established for flame propagation: flame propagation at a certain H<sub>2</sub> concentration is possible only in a limited pressure interval for a given  $0_2$  content in the system. Analysis of the experimental results and published data made it possible to propose the existence of three pressure limits for flame propagation in the H<sub>2</sub>- $0_2$ -N<sub>2</sub> system. A schematic picture is proposed for a system in the pressure range  $10-10^5$  mm Hg.

1/1

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

REERICEGISCHERICETEN GEHEUT GERCHER EIN EINE HEREN DER HEREN HEREN HEREN HEREN HEREN HEREN HEREN BEREITEN HER HER STERNE STEINE STEINE SIEDEN GERUNG HER STEINE HEREN BEREITEN HEREN HEREN HER HER HER HEREN BEREITEN HER HER STEINE BEREIT STEINE BESTEIN HER STEINE BEREITEN HER HER HER BEREITEN HER HER HER HER HER HEREN LEIST BEREITE

USSR

UDC 539.67

VARYPAYEV, E. S., PANIN. V. F., and SOLOV'YEV, L. A.

"Amplitude Dependence of internal Friction of a Series of Concentrated Copper Solid Solutions"

Sb. "Vnutrenneye treniye v metallicheskikh materialakh" (Internal Friction in Metallic Materials), Moscow, Izd-vo "Nauka," 1970, pp 104-110

Abstract: Internal friction of single-phased concentrated Cu - Ga and Cu - Ge solid solutions was investigated in the range of 10-6-10-3 relative amplitudes.

An amplitude-independent region and sections described by linear function appeared on characteristics of the decrement dependence on deformation ampli-

It is shown that critical stress  $\mathcal{T}'$ , determining the onset of microdeformation, depends on alloy concentration and is determined by the resistance to motion of a free dislocation from solid solution impurities atoms. The second critical stress  $\mathcal{T}''$  characterizes the appearance of irreversible processes in structure. 5 figures, 13 references.

1/1

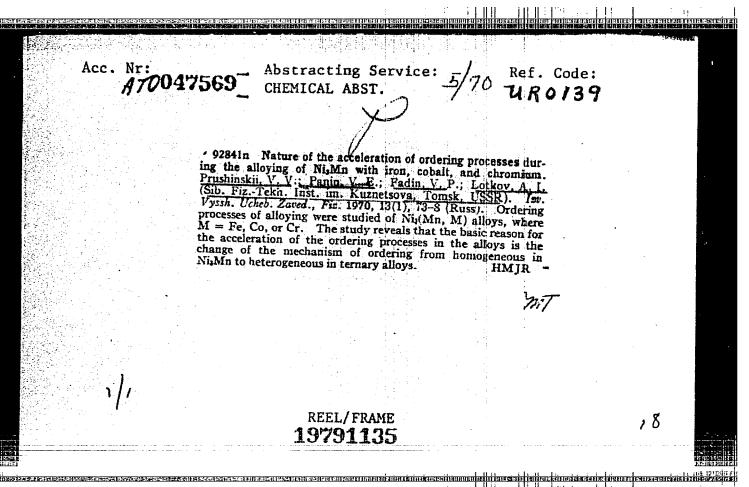
1/2 022 TITLE--EFFECT OF CHROMIUM ALLOYING ON ELECTRON STRUCTURE AND ORDERING IN UNCLASSIFIED PROCESSING DATE--090CT70 AUTHOR-(04)-FADIN, V.P., RYABYSHKINA, G.A., PANIN, V.YE., PRUSHINSKIY, COUNTRY OF INFO-USSR SOURCE--IZV. VYSSH. UCHEB. ZAVED., FIZ. 1970, 13(2), 44-51 DATE PUBLISHED----70 SUBJECT AREAS--PHYSICS, MATERIALS TUPIC TAGS-ELECTRON STRUCTURE, CHROMIUM ALLOY, NICKEL ALLOY, MANGANESE CUNTROL MARKING--NO RESTRICTIONS DOCUMENT CLASS-UNCLASSIFIED PROXY REEL/FRAME--1993/1916 STEP NO--UR/0139/70/013/002/0044/0051 CIRC ACCESSION NO-ATOL14356 UNCLASSIFIED 

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R002202320016-3"

ROTES AND THE TOTAL BUILDING THE STREET HE STREET THE S

UNCLASSIFIED PROCESSING DATE--090CT70 022 CIRC ACCESSION NO-ATO114356 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. A STUDY OF PARAMETERS WHICH CHARACTERIZE THE STATE OF THE ALLOYS (RESISTANCE R. INTERNAL INDUCTION SATN., B SUBS, ABS. THERMAL EMF. S) AND OF THE NEUTRON DIFFRACTION DIAGRAMS WAS USED TO DET. THE EFFECT OF CR ALLOYING ON THE STRUCTURE OF THE D BAND AND ON THE URDERING PROCESSES. THE ADDN. OF CR DECREASES THE VALUES OF B SUBS FOR THE DISORDERED ALLOY AS WELL AS THE CHANGE IN B SUBS UPON GROERING. THUS, THE ANTIFERROMAGNETIC INTERACTION OF THE ATOMS IN THE MN-CR PAIRS IS GREATER THAN IN THE MN-MN PAIRS. THE NEUTRON DIFFRACTION DATA SHOW THAT EVEN FOR SMALL AMTS. OF CR (SIMILAR TO 9 AT PERCENT) A HIGH DEGREE OF LONG RANGE ORDER IS ESTABLISHED IN THE THE VALUES OF R ARE GREATER IN THE ORDERED THAN IN THE DISORDERED ALLOY DUE TO THE INCREASE IN THE D. OF THE ELECTRON STATES IN THE 3D BAND OF THE ORDERED ALLUYS RESULTING IN AN INCREASED PROBABILITY FOR THE SCATTERING OF THE 45 ELECTRONS IN THE 30 BAND. THE VALUE OF S EQUALS F(R) INDICATES THAT THERE IS A CLOSED FERMI SURFACE IN BOTH THE DISORDERED AND ORDERED ALLOYS FOR LOW CR CONCNS. (SMALLER THAN 6 AT. PERCENT) AND AN OPEN FERMI SURFACE FOR HIGHER CONCNS. FOR ALLOYS WITH LUW CR CONCNS. THE MUDEL WITH A RIGID 30 BAND IS APPLICABLE. LARGER CONCUS. PERTURB THE STRUCTURE OF THE 3D BAND. FACILITY: SIB. FIZ.-TEKH. INST. IM. KUZNETSOVA, TOMSK. USSR.

UNCLASSIFIED



UNCLASSIFIED PROCESSING DATE-27NOV70
TITLE-HIGH ENERGY INTERNAL CONVERSION ELECTRONS EMITTED BY SAMARIUM 150
AND GADOLINIUM 158 IN N. GAMMA REACTIONS -UAUTHOR-(02)-PANIN. YU.N., PELEKHOV. V.I.

COUNTRY OF INFO--USSR

SOURCE-IZV. AKAD. NAUK SSSR. SER. FIZ. 1970, 34(4), 804-12

DATE PUBLISHED----70

SUBJECT AREAS-PHYSICS, NUCLEAR SCIENCE AND TECHNOLOGY
TOPIC TAGS--ELECTRON, SAMARIUM ISOTOPE, GADOLINIUM ISOTOPE

CONTROL MARKING--NO RESTRICTIONS

PROXY REEL/FRAME--3008/2045

STEP NO--UR/0048/70/034/004/0804/0812

CIRC ACCESSION NO--AP0138899

UNCLASSIFIED

BOTOLES DE LA CONTROL DE LA CO

